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THE COMPARATIVE RESULTS OF THE EFFECTIVENESS OF THE ANTICANCER DRUGS AND LC – SYNAPSES AS THE LANGUAGE - MECHANISM USING < MARKOS PROGRAM >

BY

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Abstract :

From Prior have been elucidated the **followings ,**

A... Quantum & Atomic Theory :

1..."Electron-Nutation-Energy" and atoms connecting via "Pins" [101].
2... "Programming the Atoms & Compounds" and "The Unification of Physics and Chemistry".[106].
3..."Planck`s Dual Angular - Momentum As Gravity & Antigravity Waves" [107].
4..."The Origination - Mechanism of the Fundamental - Particles into the Planck's – Confinement" [109].

B... Cosmology & Geometry :

5..."The Epr-Argument Under The Critic Of Material-Geometry & Space-Energy Universe" [105].
6..."The Dual Quaternion Momentum as the Existing Universe & Black Holes" [108].
7..."Big Bang or the Eternal Rolling-Glue-Bond of Space, Anti-Space" (Book).

C... Applied Science / Medical :

8..."The Comparative Results of the Effectiveness of the Anticancer Drugs Using An Electronic Program" [116].
9... "The Comparative Results of the Effectiveness of the Anticancer Drugs and , LC circuit as the Language Mechanics of Atoms via " Markos Program" [118].

Preliminaries - Summary :

From Article [106]

Atoms are consisted of a Hydrogens - Heap , which vibrates and Equilibriun at the Dynamic Mode - Shapes following The Stationary – **In Sphere , Tetrahedron , Cube** , Ex-Sphere - Geometrical construction . Since vibration means the frequencies in each Atom or and its Compound , so thus they consist the *Electromagnetic Waves* . The Interactions of any two or more Energy Systems with known Status use the Markos " **Electronic - Program** "

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{***The Carrier – Modulating –Modulated– Demodulation - Analyzer Waves Process***}
for their Energy - Spectrum Waveform .

Electromagnetic Signals may be used to Transmit Information very quickly and over great distances . Informations are encoded on Atoms - Signals using , Amplitude and Frequency modulation , and reviewed in the Program . The Process of retrieving the information from encoded Signals is ditected by the Antidotes . This simple Program-Process allows the User to detect any action of the , ***Initial – Signal*** , through the Modulating – Modulated – Demotulated Process , to the ***Final and wish Repaired – Signal*** . The Spectrum Analyzer is detected in all Steps. An Application of the method is used on CELLS which consist themselves a Complete–Energy-Monad .

The Interactions :

One of the most important concept in Geometry is , ***distance*** , which is the Quanta in geometry, while in Material-Geometry the composition of Opposite , ***the Material-Point*** , $[\oplus \leftrightarrow \ominus]$ which is the Quanta in **Chemistry** and **Physics.** ***As in Algebra*** Zero ,0, is the ***Master-key*** number for all Positive and Negative numbers and this because their sum and multiplication becomes zero, *and the same* on any coordinate-System where ± axes pass from zero , The Rolling of Positive $\oplus$, constituent on the Negative $\ominus$, constituent , in PNS Space { Planck-Cave $\mathbf{L_P} \equiv \mathbf{e}^{\,i\,.\,(-5\pi/2)\,.10} = 10^{-34}$ m < **PNS**-Space < **Gravity** Space = 10^{-62} m } creates the Neutral Material Point , $\rightarrow [\,\mathbf{Z} = \oplus \rightarrow \ominus = \mathbf{D}\,] \equiv \{ \overset{\mathbf{A}-}{\uparrow \mathbf{Z} +} \overset{::\circlearrowright}{\left[\oplus \frac{::}{2} + \ominus \frac{::}{2}\right]} \mathbf{D} \} \equiv \{ \pm [\nexists] \frac{-\oplus/2}{+\ominus/2} + \downarrow \leftrightarrow \uparrow \} \leftarrow$ which ***Equilibrium by Division*** . Angular-Momentum is identical with ***Spin*** and consists the ***First-Discrete-Energy-Monad*** which occupies , ***Discrete Value and Direction*** , in contradiction to the Point which is Nothing , *Dimensionless* **and** *without any Direction* [15] . ***Quaternion*** $[(+)\circlearrowright\circlearrowleft(-)] \equiv$ Box $\mathbf{B_R}$ which carries the Principal stress **σ** between A(+) , B(-) which σ , as ***Centripetal-acceleration*** is the minimum Energy becoming from the in-storage AB acceleration and is **equal to the** *Gravity* **g** . Because of the two different motions , *Revolving and Periodic* , acceleration of the Gravity $g \equiv \pm \sigma$ exists as the First Energy-Box-$\mathbf{B_R}$,while in the Second $\mathbf{B_P}$ is followed ***the Local-Extreme-case*** this acceleration of Gravity $g \equiv \pm \sigma$, is altered Locally by changing the Principal-stress **σ** with an Local-uniform-Pressure $\rightarrow \mathbf{g_L} \equiv g\,k = g$. [Force /Area] = G , i.e. The minimum Local - Energy acceleration is the known , ***Universal Gravitational-constant*** $\mathbf{G} = g\,k = \mathbf{k_E}\,g = \mathbf{k_L}\,\sigma$, for *Macrocosm and Microcosm* , Obeying Newton`s Laws of motion . It was Proved that , ***Constant G , is the mechanism*** for the **First-kick-Start** on the ***Granular-Energy-monad*** , g , which Acts in the lightest and **less-mass Particle** and which is the **Hydrogen .** The Electron-Nutation-Energy due to **g** , affect in [OBH] to the minimum frequency $f_N \equiv f_R = 2\,,8398447.10^{10}\ s^{-1}$, and which so exists in all Atoms . This Energy in **Hydrogen-Cave** as **OBH ≡ E-M , Conductor ≡ The Pin of Atom-Plug Into their Sockets** , which are the **Orbit – Bracket – Hooks** ≡ The Hands of Atoms , **i.e. → The Atoms Plug with their Pins** into **the other Atoms-Drains = Holes** , and so are Bonded . This is the **Resonance frequency between all Atoms ,** ***and because Hydrogen is Common to all Atoms*** , so Bond to Molecules and Crystals , and all other Compounds in this Cosmos . From Wave Mechanics , the **Phase of a Low - frequency oscillation** influences the **Amplitude of a Higher-frequency oscillation** .

This Phenomenon happens in An **LC circuit** , also called a Resonant circuit , tank circuit, or tuned circuit , and is an electric circuit consisting of an **Inductor**, represented by the letter L, and a **Capacitor** , represented by the letter C, connected together . The circuit can act as an electrical Resonator, an electrical analogue of a tuning fork, storing energy oscillating at the circuit's resonant frequency. **The resonant frequency** (f) of an LC circuit , which consists of an inductor (L) and a capacitor (C), is determined by the formula: $f = 1 / (2\pi\sqrt{}(LC)$ .In this formula , ' f ' is the resonant frequency in Hertz (Hz) , ' L ' is the inductance in Henries

(H), and ' C ' is the capacitance in Farads (F) .This formula applies to both series and to parallel LC circuits . The Total energy Q(t) of a System is $\mathbf{Q(t) = Q_0\cos(\omega t + \varphi)}$ and , were found ,

The Results in Hydrogen - cave :

1…Hydrogen-**Cave** , IN – OUT Universe occupies **mass** $\mathbf{m_H}$, **velocity** $\vec{c}$, and **Power** $\mathbf{P_H}$

2…**Electron** in Hydrogen - cave **Precesses** and **Nutates** due to the **Gravitational constant G , g .** and the Produced Work is stored in form of → **Stress Energy** as **Hydrogen - Bracket-Hook**← The Electron **Precesses** from the continuous and immense-communication to **gravity, g** .

Electron-Spin is the **Angular-momentum-vector** $\overline{B}$ and rotates according to $\frac{dB}{dt}$.

3…The Stationary → **Tetrahedron , In-Sphere , Cube , Ex-Sphere** ←construction of **Atoms** Permits the **Space – coordinate - Structure** of Atoms , The **Wave-eigenfunctions** of **many non-commuting Physical operators** as Momentum .Power , from the **Quantum-Mechanical** description of the **Physical-Reality** is **Complete . i.e.** IF-known the **Physical Operators , their coordinates are** simultaneous the **Physical reality**.

4…The Interactions of **Two or more Systems** with known **Status** can be calculated any time by the Bioelectronic-Spectrum of the →{ **Carrier-Modulating-Modulated , Demodulation Process Mechanism** } ← using Markos Program < **Programming Atoms-Bonding** and **Their Compounds** > **SO** , Energy ≡ motion is of **Wave nature** which enters the **Energy caves** and becomes a **Particle or Wave or Both** . In case of **Photons** exists this DUAL-Property , **Wave – Particle** . Thus The Historical Doubt of **Einstein - Podolsky - Rosen** for the Q-Mechanics Completion **VANISHES** . [100,104] .

5… **The** Programming of Atoms Bonding is the Quantization of ***Atoms - Wave – Energy*** to all Possible Equilibrium Positions of the [⊕↔⊖] constitutes Reactions . The Wave-Energy as Vibration travels at 75-90 % of the light speed **c** , while the Wave-Energy in Black Holes is n **π c** times of the light speed . [100-101]

6… From all the Possible Reactions in Compounds , the **Bonding or the Releasing of energy** is the Vital rule of the Theory of Vibrations .The Program **Programming the Atoms and their Compounds** , analyses the Interactions of two or more Energy Systems with known Status .

7…The Phase of a Low-frequency oscillation , **the CFC Phenomenon** , was observed in a Neural SYNAPSES- Cell , where the Phase of a Low-frequency oscillation influences the Amplitude of Higher-frequency oscillation as equation $Q(t)= Q_0\cos(\omega t + \varphi)$ **.** In the LC circuits of Atoms , the current oscillates with Zero damping .The LC circuits of Atoms Generate signals at a Particular frequency or Picking out a Signal at a Particular frequency from a more complex Signal. **i.e.**

The Cell`s Chemical Synapse is a Natural Artificial Intelligence Mechanism , that regulates the High or Low influence frequencies in oscillations , ***and this Because*** **,**

a.. **The Electrical Synapse** make direct contact between Neurons , are faster than the Chemical Synapse and can be **Bidirectional** , i.e. Don`t form the tuned LC circuit .

b.. **The Chemical Synapse** form a synaptic cleft between the Neurons and are **Undirectiona**l , i.e. **Forms the tuned LC circuit , and works as an Transistor .**

c.. **The Synapses** can occur between the **Presynaptic-termin** and the **Post-Synaptic** , Cell Dendrite , body or Axon

d.. **A Transistor is a Semiconductor** Device used to **Amplify or Switch Electrical**

d.. A Transistor is a Semiconductor Device used to **Amplify or Switch Electrical Signals (of many frequencies) and Power.**

{ A Transistor is a Semiconductor device used to Amplify or Switch Electrical Signals and Power. A Transistor circuit typically has **Two - Input** signals / **connections** (one for control, one for Power/ground) and **One Output** , with the small control signal (at the Base for BJTs, Gate for FETs) regulating a larger current flow between the other two terminals (Emitter / Collector or Source/Drain). They are joined by connecting the small input to the control Pin (Base/Gate) and routing the amplified/switched Signal from the output Pin (Collector/Drain) to the load, while the Emitter/Source provides the common path, often to Ground or Power, forming Amplifier or Switch Circuits}.

From [109].*Fundamental-Papartcles* ,

The [STPL] line is a **Physical-*Semiconductor*-Mechanism** on which the Three Breakages [$s^2 = \oplus$, $2s^2 = \varnothing$, $-s^2 = \ominus$] are **Circularly-Charged** On The **Three-Extreme-Triangles**

{ A B C } , { K_A K_B K_C } , { A_E B_E C_E } , Producing The Energy-Quantity Q_p .

This Circular-Charge from Breakages on The-Three-Triangles is the Thrust upon the Energy-Quantity Produced , for Each Circular Charge **, to** Shake Off The **Quantity Q_{pp} .**

This Process is followed by the , *Chemical Synapse Semiconductor* in Cells .

The - LC - Chemical Coupling :

1... Resonance frequency	→ W_{MO}	= in **Hz** ,
2.. Energy	→ Q_0	= in **Joule .**
3... LC-Circuit-Coupling	→ **LC**	= in **Farad/s**
4... Current	→ I_0	= in **Ampere**
5... Capacity	→ C	= in **Farad ,**
6... Resonance-Voltage	→ $\frac{Q_0}{C}$	= in **Volt** .
7... Voltage across Inductor	→ V_L	= in **eV**
8... The Power of LC - System	→ P_{CL}	= in **Watt** ,
9... Maximum flowing current	→ $I\,o_{MAX}$	= in **Ampere**
10... Capacity Discharged Period	→ **T / 4**	= in **second**
11...The Radiation - Thermal	→ T_K	= in **Kelvin**
12...The Radius of System	→ r_S	= in **Amstrong**

Applications :

1..The Ranvier node = [Na Ca 2] occupies a frequency $W_R = 1.\ 10^{15}$ Hz , a Current of I_R = 0,0001 Ampere and a Synaptic-Cleft $r_R = 1{,}25 .2 = 2{,}5$ A^o .

The Ligand Testosteron = [C2 O2 H7] occupies a frequency $W_T = 1{,}77.\ 10^{15}$ Hz , a Current of I_T = 0,00033 Ampere and a Synaptic-Cleft $r_R = 2{,}26 .2 = 4{,}52$ A^o .

2..Constructing a , **NEW-Antidote** = [Ca2 O2 Na H5] , then occupies a frequency of $W_{NEW} = 4{,}023.\ 10^{15}$ Hz , a Current of I_T= 0,00171 Ampere and a Synaptic- Cleft r_{NEW} = 2,26 .2 = 4,52 A^o x 5 = **22,60** A^o , **i.e.**

We can build a Bridge across the Cleft that can carry The Signals from the Presynapse to the Postsynapse .

B.. : APPLICATIONS FROM THE ATOMS - PROGRAM

1b.. : The Energy Spectrum of the Chemical Reactions :

The Energy States W_R --- E_R --- $\vec{v}_R$ --- λ_R --- r_H --- A_R --- V_λ --- $I_{\lambda c}$ --- M_F --- P_T --- Φ_{ANT}

Action-**Range** 10^{15}Hz -1.eV-10^5m/s - 10^{-10}m ----- 10^{-10}m -1.V-10^{-12}A-10^3T-10^{-20}W-1.Rad

C ↔ H1 =	4.76	3,12	10,91	14,44	2,30	1,15	2,34	5,08	4,98	3,96
C ↔ H2 =	2.55	1,68	5,87	14,45	2,30	1,15	1,26	9,45	4,14	3,97
C ↔ H3 =	1.82	1,20	4,19	14,46	2,30	1,15	0,90	13,23	3,55	3,97
C ↔ H4 =	1.42	0,93	3,31	14,64	2,33	1,16	0,70	17,43	3,03	4,07
C ↔ H5 =	1.00	0,66	2,56	16,07	2,56	1,18	0,50	29,71	2,24	4,90
C ↔ O1 =	0.85	0,56	1,69	12,55	1,99	1,00	0,42	21,46	5,50	2,99
C ↔ O2 =	0.93	0,61	1,57	10,6	1,69	0,84	0,46	13,99	5,77	2,14
C ↔ C ↔ C =	**1.10**	**0,73**	**2,53**	**14,39**	**2,29**	**1,15**	**0,36**	**32,50**	**2,07**	**3,94**
C ↔ C ↔ C ↔ C =	**2.76**	**1,82**	**4,61**	**10,51**	**1,67**	**0,84**	**0,68**	**9,25**	**2,94**	**2,10**
C4↔C4↔C4↔C4=	**5.51**	**3,62**	**3,26**	**3,72**	**0,59**	**0,30**	**1,36**	**0,58**	**5,87**	**0,26**
O ↔ H1 =	**2.83**	**1,86**	**8,33**	**16,55**	**2,95**	**1,47**	**1,39**	**14,03**	**5,04**	**6,53**
O ↔ H2 =	**1.53**	**1,08**	**4,61**	**17,71**	**2,82**	**1,41**	**0,81**	**22,11**	**4,14**	**5,96**
O ↔ H ↔ H =	**4.25**	**2,80**	**14,25**	**21,06**	**3,35**	**1,67**	**1,40**	**18,07**	**2,93**	**8,42**
O ↔ H3 =	**1.24**	**0,82**	**3,38**	**17,03**	**2,71**	**1,36**	**0,61**	**26,83**	**3,58**	**5,51**
O2 ↔ H2 =	**2.87**	**1,88**	**5,94**	**13,30**	**2,07**	**1,03**	**1,42**	**6,79**	**5,12**	**3,21**

Water Electrolysis → 2.NaCl + 2.H2O = Cl2 + H2 + 2.NaOH

Methane Hydrate → 4.CH4 + 23.H2O , Diamond → C16 = C4↔C4↔C4↔C4

Lithium Battery → LiC6 + CoO2 = C6 +LiCoO2 → Photosynthesis = C6 O18 H12

H ↔ 1H =	**0.58**	**0,38**	**5,17**	**56,32**	**8,96**	**4,48**	**0,28**	**635,42**	**0,82**	**60,26**
H ↔ 2H =	**0.63**	**0,41**	**4,66**	**46,77**	**7,44**	**3,72**	**0,31**	**402,87**	**0,79**	**41,55**
H ↔ 2H ↔ H =	**0.87**	**0,57**	**7,09**	**51,28**	**8,16**	**4,08**	**0,29**	**524,07**	**0,49**	**49,96**
H ↔ 3H =	**0.94**	**0,62**	**5,37**	**36,08**	**5,74**	**2,87**	**0,46**	**160,53**	**0,99**	**24,73**

Remarks

a.. In all Chemical Actions , Atoms Equilibrium at **Mode-Shapes** and acquire their Athwart Energy Vibration for their **In-between Vibrations** at Resultants Energy-levels . These In between Vibrations define the Properties of the Compounds . An example is the Carbon which **for → C ↔ C ↔ C = Carbons In Compound are free ,**Unbonded**, each other,** while **for → C2 ↔C2↔C2 = Carbons In Compound Bond ,** Bonded**, each other ,**

b.. The Modulated Energy Spectrum defines the **AM-FM Waveform** of Each Atom with its **Properties** as this is Diamond-Compound , **C4↔C4↔C4↔C4 ,**

c.. The Modulated Energy follows the **max-Energy States Bonding** as this in Water Electrolysis & for the Batteries .

d.. The Acidity of , **O2 ↔ H2 and of O ↔ H2 , depends on** E_R- P_T - **because 1,88 > 1,08 eV and 5,12 > 4,14 W .**

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July20, 2025

To Whom It May Concern
Re: Article 114 by Marcos Panayiotou Georgallides

I was amazed by the details contained in the above article based on current knowledge and extrapolations inspired by the intellectual proclividies of the author.

It appears to me that further research based on the avenues that are implied by the article may lead to clinically applicable advances in chemical oncology, neurology, anesthesia and possibly other medical disciplines for the benefit of suffering humanity.

P.E. Frangou

P.E. Frangou

AN MEDICAL REPORT RELATED TO ARTICLE 114-DECEPT CONCERNING THE WAY FOR DECEPTIONING THE NORMAL OR CANCERED CELLS BY VIBRATIONS

IN SAMPLE

A -- CLL = Chronic Lymphocytic Leukemia → Is determined

1.. The Energy Spectrum of each Part of the Complex Actions of the affected States and Precesses for each Type of the Cancer . in the BLOOD

2.. The Efficiency of 8- Drugs in Use and 2-NEW Compounds Proposed and detected from the Electronic Program . Pages > [3] , 5

B -- AML = Acute Myeloid Leukemia → Is determined

1.. The Energy Spectrum of each Part of the Complex Actions of the affected States and Precesses that happen in the BONES .

2.. The Efficiency of 15- Drugs in Use and 2-NEW Compounds Proposed and detected from the E - Program . Pages > [4] , 5

C -- ALS = Amyotrophic Lateral Sclerosis → Is determined

1.. The Energy Spectrum of each Part of the Complex Actions of the affected States and Precesses that happen in the BRAIN areas .

2.. The Efficiency of 7- Drugs in Use and 3-NEW Compounds Proposed and detected from the Electronic Program . Pages > [Als , 119] , 11 , 10 ,12 [119] , 1 , 6 ,7 ,

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D--BC = The Breast Cancer & Chemotherapy → Is determined

1.. The Energy Spectrum of each Part of the Complex Actions of the affected States and Precesses that happen in the Blood & Brain areas .

Pages > [119] , 2

2.. Antipain Drugs & Compounds . Pages > [120] , 2 , 3 , 4 , 5 ,

3.. Comparison between Carbon & Silicon . Pages > [55] , 1 , 2 , , , 11 ,

TO → ARIA MATRIX | Tata Memorial Cancer Center (tmcc)

European Medicines Agency
https://www.ema.europa.eu › Home › Medicines
Imatinib Teva is a cancer medicine. It is used to treat the following diseases: chronic myeloid leukaemia (CML), a cancer of the white blood cells.

AI Overview

Imatinib-Teva is a medication containing the active ingredient imatinib, used to treat certain types of cancer and leukemia. It is a tyrosine kinase inhibitor and is marketed by Teva Pharmaceutical Industries. Imatinib-Teva is used for treating chronic myeloid leukemia (CML) and Philadelphia chromosome-positive acute lymphoblastic leukemia (Ph+ ALL) in both adults and children.

1.. European **EU- Cisplatin** = [N2 Pt Cl 2 H6]

2.. **America** Imatinib -Teva = [C29 H31 N7 O]

3.. **CY - Symeon - Calquence** = [C30 H29 N7 O4]

4.. **India** Nilotinib -Teva = [C28 H22 F3 N7 O]

5.. **India** Desatinib -Teva = [C22 H26 Cl N7 O2 S]

6.. **India** Asciminib -Teva = [C20 H18 Cl F2 N5 O3]

7.. **America** Hydroxyurea = [C H4 N2 O2]

8.. **From** Electronic Program = [1-NEW-Antidote = [C11 H16 N O7]
= [2-NEW-Antidote = [C10 H17 Cl 3 O4]

Using the Electronic Program ,

→ A WAY FOR DECEPTIONING THE NORMAL o r DANGEROUS CELLS ←

AND Applied to 4-Types creating the , CLL = Chronic Lymphocyte Leukemia

Is sent to You the Results for the efficiency of the Two European Drugs ,

Another Two Detected from Program , Three Indian Drugs from Teva

and Imatinib-Teva from America

Side effects can be checked from the Constructing Company

Markos Georgallides

A-[CLL]= Chronic Lymphocytic Leukemia

Tests for **Chronic Lymphocytic Leukemia (CLL)**

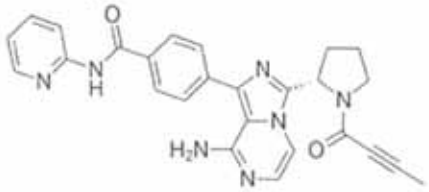
Chronic Lymphocytic Leukemia (CLL) is detected through a combination of blood tests, including flow cytometry and cytogenetic tests, which may involve Fluorescence In Situ Hybridization (FISH). FISH testing specifically identifies genetic abnormalities within CLL cells, such as deletions or mutations in specific chromosomes or genes.

- **Blood Tests:**

CLL is often diagnosed based on blood work, including a complete blood count (CBC) and differential, which measures the number of different types of white blood cells.

- The FISH test is an important tool in CLL diagnosis and treatment planning. It helps doctors determine the specific genetic changes in CLL cells, which can influence treatment decisions and prognosis. For example, the FISH test can identify deletions in chromosome 17 (17p deletion), which is associated with a poorer prognosis and may affect treatment response.

Acalabrutinib

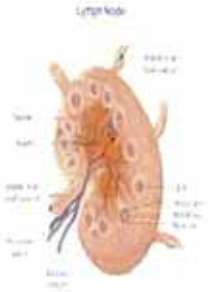


Acalabrutinib, [C26 H25 N7 O2] sold under the brand name **Calquence**, [C30 H29 N7 O4] is a anti-cancer medication used to treat various types of non-Hodgkin lymphoma, including mantle cell lymphoma and Chronic Lymphocytic Leukemia/= [CLL] small lymphocytic lymphoma.[7] It may be used both in relapsed as well as in treatment-naive settings

Agent Orange | C24H27Cl5O6 | CID 38264

National Institutes of Health (NIH) | (.gov) https://pubchem.ncbi.nlm.nih.gov › compound › Agent...

Agent Orange is not a disease itself, but a herbicide that was used by the U.S. military during the Vietnam War. Exposure to Agent Orange, specifically the dioxin contaminant (TCDD) it contained, has been linked to various health problems, including certain types of cancer, diabetes, and neurological conditions.



AI Overview **MCL-1 Protein**=MCL-1 inhibitor=|C40H52Cl F2N5O7S| Mantle cell lymphoma (MCL) is a rare, aggressive type of non-Hodgkin's lymphoma that affects the lymphatic system, specifically the B-cells in the mantle zone of lymph nodes. It's characterized by the overproduction of a protein called cyclin D1, which leads to uncontrolled cell division and the formation of tumors. MCL can spread to lymph nodes, bone marrow, spleen, liver, and gastrointestinal tract.

Benzene | C6H6 | CID 241 Exposure to Benzene, particularly through occupational or environmental sources, has been linked to an increased risk of Chronic Lymphocytic Leukemia (CLL).

THE ACTIONS OF Carrier –Modulating -Modulated –Demodulated Wave

1...TATP-Explosive = 3. (C3 H6 O2)
2...SIGNAL-Mediator = 6. (C O2 H)
3...SENSOR-N..Dioxide = 1. (N O2)
4...SIGNALLING -Protein = 1. (N H3 C O O)
5...LIGAND -Intracting = 2. (N H4) O

6...SIGNAL-Head-Tail = 1. (N P O4 H O2 O2)
7...MEMBRANCE-L,Protein = O C + 17.(C H2) + O C + 17.(C H2)
8...AGENTS -Clues-Polar = C OH4+4.(CO H) + C H2 O H .
9...MEMBRANCE-Plasma = P O4 + 2.(C H2) + C H O2 C2 + H H4 +
[CH3 +17.(C H2) + C O O H] + 6.[CH3 +17.(C H2)+C O O H]

10...AGENT-ORANGE- Cancerous = [C24 H27 Cl 5 O6]
11...MCL-PROTEIN - Cancerous = [C40 H52 Cl F2 N O7 S]
12...BENZENE-CHEMICALS- Cancerous = [C6 H6]
13...NATURAL-RUBBER- Cancerous = [H3 CCC H2-C CH2 H] n

THE RESULTS FROM PROGRAM

An Example of 4- Types Creating the , CLL = Chronic Lymphocytic Leukemia & The Results of the 5-Drugs used for Treatments with 2-NEW Antidotes from Program .

TYPE OF **CELL : The Appropriate Dose of Antidote—Effective &Total Action ,**

From Cancerous W_{EFFECT} = N.10^15 Hz --- $W_{ANTIDOTE}$ = N.10^15 Hz ,

AGENT ORANGE Needed 863,046 10^15 Hz	I	Calquence = 19,8.[C30H29N7O4]	–74,544 ---- 863,143
	I	Acalabrutinib =25,3. [C26H25N7O2]	– 74,789 --- 863,420
	I	EU-Cisplatin = 480. [N2 Pt Cl 2H6]	– 67,857 --- 864,030
	I	1-NEW-Antidote = 71,2.[C11 H16 N O7]	– 79,384 --- 863,222
	I	2-NEW-Antidote =28,7.[C10 H17 Cl3O4]	– 71,302 --- 863,749
	I	Imatinib - TEVA = 22,8. [C29H31N7O]	– 75,739 --- 863,840
	I	Nilotinib - TEVA = 21,4. [C28H22F3N7O]	– 72,815 --- 863,526
	I	Desatinib - TEVA = 26,6. [C22H26ClN7O2S]	– 74,419 --- 863,051
	I	Asciminib - TEVA = 18,4. [C20H18ClF2N5O5]	– 69,803 --- 863,190
	I	Hydroxyurea -USA = 605,8. [C H4 N2 O2]	– 91,444 --- 863,141

MCL - Protein COMPOUND Needed 878,703 10^15 Hz	I	Calquence = 21,4.[C30H29N7O4]	–77,778 ---- 878,776
	I	Acalabrutinib=27,45.[C26H25N7O2]	– 78,097 --- 878,694
	I	EU-Cisplatin =286,8 [N2 Pt Cl 2H6]	– 55,140 --- 878,963
	I	1-NEW-Antidote = 76,5.[C11 H16 NO7]	– 82,186 --- 878,606
	I	2-NEW-Antidote =31,2.[C10 H17 Cl3O4]	– 74,259 --- 878,850
	I	Imatinb -TEVA = 24,5. [C29H31N7O]	– 78,657 --- 879,182
	I	Nilotinib - TEVA = 23,1. [C28H22F3N7O]	– 75,854 --- 875,137
	I	Desatinib - TEVA = 28,8. [C22H26ClN7O2S]	– 77,422 --- 878,655
	I	Asciminib - TEVA = 20,0. [C20H18ClF2N5O5]	– 72,947 --- 879,126
	I	Hydroxyurea -USA = 655. [C H4 N2 O2]	– 95,083 --- 878,736

BENZENE CHEMICALS Needed 860,894 10^15 Hz	I	Calquence = 21,5.[C30H29N7O4]	–78,052 ---- 860,960
	I	Acalabrutinib=27,5.[C26H25N7O2]	– 78,084 --- 860,899
	I	EU-Cisplatin = 309 .[N2 Pt Cl 2H6]	– 60,528 --- 860,795
	I	1-NEW-Antidote = 76,5.[C11 H16 NO7]	– 82,801 --- 860,893
	I	2-NEW-Antidote =31,3.[C10 H17 Cl3O4]	– 74,612 --- 860,986
	I	Imatinb -TEVA = 24,5. [C29H31N7O]	– 78,736 --- 860,906

Benzene-Chemical = [C6 H6]+H-T,Signal+Membrance Protein +Agents C,P +Mem-Plasma // +++ \\ 5 - IMATINIB-Teva = 24,5.[C29 H31 N7 O]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	860.906565 x 10^{15} Hz
Energy	=	Q_0	=	9.0787 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	1.16156623 x 10^{-18} Farad/s
Current	=	I_C	=	7.82 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.3492 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	6.73 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	7.8159 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	6.1089 x 10^{-16} Watt
Maximum Flowing Current	=	I_{max}	=	7.82 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	1.8245 x 10^{-18} s
Radiation - Thermal	=	T_K	=	1.33 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	7.830075 x 10^{-10} m

Benzene-Chemical = [C6 H6]+H-T,Signal+Membrance Protein +Agents C,P +Mem-Plasma // +++ \\ 4 - 2.NEW From Program = 31,3.[C10 H17 Cl 3 O4]

LC - Chemical Coupling

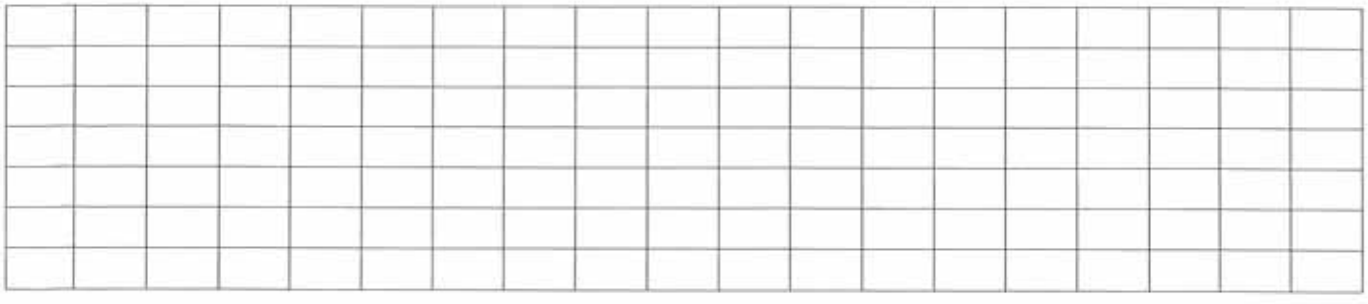
Resonance - Frequency	=	W_0	=	860.98611 x 10^{15} Hz
Energy	=	Q_0	=	9.0796 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	1.16145892 x 10^{-18} Farad/s
Current	=	I_C	=	7.82 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.3489 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	6.73 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	7.8174 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	6.1112 x 10^{-16} Watt
Maximum Flowing Current	=	I_{max}	=	7.82 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	1.8244 x 10^{-18} s
Radiation - Thermal	=	T_K	=	1.33 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	7.392161 x 10^{-10} m

Antidote - Action

The Antidote	5 - IMATINIB-Teva = 24,5.[C29 H31 N7 O] : $C_{711}H_{760}N_{172}O_{26}$
Final Compound	Benzene-Chemical = [C6 H6]+H-T,Signal+Membrance Protein +Agents C,P+Mem-Plasma: $NPPO_6O_6O_4O_4O_4O_2O_2O_2OOOOOOC_{102}C_{17}C_{17}C_{17}C_6C_6C_6C_4C_2C_2$ $CCCCCCCH_{204}H_{34}H_{34}H_{34}H_{18}H_6H_6H_4H_4H_4H_4H_3H_2HHHHH$

Needed W	=			860.89426568 x 10^{15} Hz
Needed E	=			566.636885354867 eV
Circular - Frequency	=	W_{RAN}	=	860.90656523 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	566.6494106630108 eV
Frequency - Antidote	=	f_{ANT}	=	137.0215765123 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	9.262781 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.0676008952 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0107590166 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	1.719124 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	672883.1025 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	573.652068465487 Volt
Intensity - Current	=	I_C	=	78159.82938 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	176.166 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-1.241454 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	1.865403 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.001162 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	4.75799990646115
Bands UL - Deviation	=	ΔW_{RES}	=	407.559387576 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	34.2553941281 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.0532141245263056
Bands UL - Amplitude	=	A_{BUL}	=	0.00269 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	525924284839.024 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	1051848569678.05 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	262962142419.512 x $10^{-1°}$ Watt

The Demodulated FM - Waveform



NATURAL	I	Calquence = 23.[C30H29N7O4]	— 80,689 ---- 1021,636
RUBBER	I	Acalabrutinib= 30.[C26H25N7O2]	– 81,576 --- 1026,945
Needed 1024,264	I	EU-Cisplatin = 562 .[N2 Pt Cl 2H6]	–73,449 --- 1024,545
10^15 Hz	I	1-NEW-Antidote = 84 .[C11 H16 NO7]	– 86,311 --- 1024,848
	I	2-NEW-Antidote =33,5.[C10 H17 Cl3O4]	–77,314 --- 1024,263
	I	Imatinb - TEVA = 26,5. [C29H31N7O]	– 81,825 --- 1024,793
	I	Nilotinib - TEVA = 25,0. [C28H22F3N7O]	– 79,023 --- 1024,184
	I	Desatinib - TEVA = 31,3. [C22H26ClN7O2S]	– 80,574 --- 1024,333
	I	Asciminib - TEVA = 21,7. [C20H18ClF2N5O5]	– 76,098 --- 1024,186
	I	Hydroxyurea -USA = 710. [C H4 N2 O2]	– 99,603 --- 1024,419

AML Leukemia :

The Antidotes of AML-Leukemua are Detected from the Demodulation Of the MODULATED – WAVE as in [6-7]

TYPE OF **CELL : The Appropriate Dose of Antidote —Effective &Total Action , From AML- Cancerous** W_{EFFECT} = **N.10^15 Hz** --- $W_{ANTIDOTE}$ = **N.10^15 Hz ,**

THE BONES	I	Calquence = 25,6.[C30H29N7O4]	—85,174 ---- 494,960 . 10^15 Hz
MARROW	I	Acalabrutinib =26,99 [C26H25N7O2]	– 77,193 --- 443,330
LEYKEMIA	I	EU-Cisplatin = 441. [N2 Pt Cl 2H6]	– 65,628 --- 865,539
Needed 464,762	I	1-NEW-Antidote = 69,2.[C11 H16 N O7]	– 78,248 --- 464,870
10^15 Hz	I	2-NEW-Antidote = 26,5.[C10 H17 Cl3O4]	– 68,020 --- 465,093
	I	Imatinib - TEVA = 26,93.[C29H31N7O]	– 84,926 --- 464,950
	I	Desatinib - TEVA = 26,9. [C22H26ClN7O2S]	– 80,083 --- 464,853
	I	AML Cytarabine = 70,0. [C9H13N3O5]	– 77,654 --- 465,741
	I	AML Gilteritinib = 23,57. [C29H44N8O3]	– 75,936 --- 464,909
	I	AML Doxorubicin = 23,3. [C27H29NO11]	– 72,682 --- 464,762
	I	AML Midostaurin = 23,2. [C36H30N4O4]	– 122,974 ---465,093
	I	AML Mylotarg = 6,86.[C73H97 I N6O25S3]	– 70,000 ---465,850
	I	AML Quizartinib = 25,3. [C29H22N6O4]	– 89,085 ---464,965
	I	Antidote Ifosfamide = 69,0. [C7H15ClN2O2P]	– 142,025 ---464,762
	I	Antidote Etoposide = 25,4. [C29 H32 O13]	– 74,229 ---464,695

For the 15-Antidotes (Drugs) is written the Appropriate Dose of the Antidote their Carrier Frequency and the Resonance Demodulated frequency .

The Above Results , Need checking for Side–effects . [Larnaca 16/08 / 2025]

ACID =[C7H6O3]+PC=2.[C10H16N5O13P3]+MBP=2.[NH2CH2(CH2)3CH +NH2+COOH]+4.[C55H98O6]+4.[H2O]+2.[C27H46O] // +++ \\ 1-NEW ANTIDOTE = 69,2.[C11 H16 N O7]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	464.869733 x 10^{15} Hz
Energy	=	Q_0	=	4.9023 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.15114026 x 10^{-18} Farad/s
Current	=	I_C	=	2.28 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	4.6274 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	1.06 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	2.2789 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	5.1935 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	2.28 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	3.3790 x 10^{-18} s
Radiation - Thermal	=	T_K	=	7.18 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	9.161066 x 10^{-10} m

ACID =[C7H6O3]+PC=2.[C10H16N5O13P3]+MBP=2.[NH2CH2(CH2)3CH +NH2+COOH]+4.[C55H98O6]+4.[H2O]+2.[C27H46O] // +++ \\ ANTIDOTE Desatinib-Teva= 26,9.[C22 H26 Cl N7 O2 S] - C672

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	464.970991 x 10^{15} Hz
Energy	=	Q_0	=	4.9034 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.15067180 x 10^{-18} Farad/s
Current	=	I_C	=	2.28 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	4.6253 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	1.06 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	2.2799 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	5.1981 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	2.28 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	3.3782 x 10^{-18} s
Radiation - Thermal	=	T_K	=	7.18 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	8.51008 x 10^{-10} m

Antidote - Action

The Antidote	1-NEW ANTIDOTE = 69,2.[C11 H16 N O7] : $C_{761}H_{1107}N_{69}O_{484}$
Final Compound	ACID =[C7H6O3]+PC=2.[C10H16N5O13P3]+MBP=2.[NH2CH2 (CH2)3CH+NH2+COOH]+4.[C55H98O6]+4.[H2O]+2.[C27H46O]: $P_6N_{10}N_2N_2C_{220}C_{54}C_{20}C_6C_2C_2C_2C_2CCH_{392}H_{92}H_{32}H_{12}H_8H_5H_4H_4H_4H_3H_2H_2O_{26}O_{24}O_4O_2O_2O_2O_2$

Needed W	=			464.76190126 x 10^{15} Hz
Needed E	=			305.904477928025 eV
Circular - Frequency	=	W_{RAN}	=	464.86973331 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	305.9776415396144 eV
Frequency - Antidote	=	f_{ANT}	=	73.9884980596 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	4.870493 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.0658276984 x 10^{-10} m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0104768036 x 10^{-10} m
Modulated SB - Potential	=	V_{SBF}	=	8.4934 x 10^{-17} Volt
LC - Circuit Potential	=	V_{LC}	=	105941.319188 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	309.758915601832 Volt
Intensity - Current	=	I_C	=	22789.463714 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	65.578 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-1.028734 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	1.500582 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.002151 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	2.36655407297257
Bands UL - Deviation	=	ΔW_{RES}	=	201.4527156815 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	18.4971245149 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.133757828441524
Bands UL - Amplitude	=	A_{BUL}	=	0.002619 x 10^{-10} m
LC - Circuit - Potential	=	P_{LC}	=	24143458493.9522 x 10^{-10} Watt
T. Modulated - Power	=	P_{TM}	=	48286916987.9044 x 10^{-10} Watt
SideBands - Power	=	P_{SB}	=	12071729246.9761 x 10^{-10} Watt

The Demodulated FM - Waveform

Antidote - Action

The Antidote	ANTIDOTE Desatinib-Teva= 26,9.[C22 H26 Cl N7 O2 S] - C672 : $C_{672}H_{699}Cl_{27}N_{188}O_{54}S_{27}$
Final Compound	ACID =[C7H6O3]+PC=2.[C10H16N5O13P3]+MBP=2.[NH2CH2 (CH2)3CH+NH2+COOH]+4.[C55H98O6]+4.[H2O]+2.[C27H46O]: $P_6N_{10}N_2N_2C_{220}C_{54}C_{20}C_6C_2C_2C_2C_2CCH_{392}H_{92}H_{32}H_{12}H_8H_5H_4H_4H_4H_3H_2H_2O_{26}O_{24}O_4O_2O_2O_2O_2$

Needed W	=			464.76190126 x 10^{15} Hz
Needed E	=			305.904477928025 eV
Circular - Frequency	=	W_{RAN}	=	464.97099106 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	306.04428947381143 eV
Frequency - Antidote	=	f_{ANT}	=	74.0046142062 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	7.605391 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.1027691526 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0163562186 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	8.4934 x 10^{-17} Volt
LC - Circuit Potential	=	V_{LC}	=	106010.562562 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	309.826387171715 Volt
Intensity - Current	=	I_C	=	22799.39278 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	63.507 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-1.028734 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	1.236535 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.002151 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	2.28937883148614
Bands UL - Deviation	=	ΔW_{RES}	=	201.5539734311 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	12.3341023677 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.133946471893581
Bands UL - Amplitude	=	A_{BUL}	=	0.002726 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	24169764546.4104 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	48339529092.8208 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	12084882273.2052 x $10^{-1°}$ Watt

The Demodulated FM - Waveform

B-[AML]= Acute Myeloid Leukemia.

Determination of composition and structure of Spongy Bone ...

National Institutes of Health (NIH) | (.gov)
https://pmc.ncbi.nlm.nih.gov › articles › PMC3127018
by M Kozielski · 2011 · Cited by 83 — This work presents possibilities of Raman spectroscopy application for determination of chemical composition and orientation of collagen fibers in human

Spongy (trabecular) Bone's chemical construction consists of an organic matrix, primarily Type I **Collagen fibers**, GPH = $(OH)_2\ O\ N_2\ O_2N\ H_2$, providing a framework for the inorganic mineral phase, which is largely **Hydroxyapatite (calcium and Phosphorus)** = (HB) = $Ca_{10}(PO_4)_6(OH)_2$, that gives bone its strength and rigidity. This unique composite is also comprised of water and other non-collagenous Proteins, with its porous, lattice-like structure being a key characteristic of this Bone Spongy Tissue (BST) with formula $[(PO_4)_3 + (CO_3)_2$ **Type.Hydroxyapatite Crystals**, , are a Hexagonal Crystal structure of calcium Phosphate that forms the primary mineral component of teeth and bones. The structure is a three-dimensional network of calcium, phosphate, and hydroxyl ions, where the hydroxyl (OH^-) groups can be replaced by other ions, such as fluoride or chloride, to form **AI**

AML leukemia"; Overview
There isn't a single "chemical structure of AML leukemia"; instead, AML is characterized by genetic and chromosomal abnormalities that lead to the production of immature, abnormal myeloid cells, rather than a specific molecule. Key molecular culprits include translocations like t (15.17) in acute promyelocytic leukemia (APL)), which fuse genes into a chimeric structure, and mutations in genes such as RUNX1, IDH, and TP53, which disrupt normal cell development and function. The chemical structures of the drugs used to treat AML, such as olutasidenib (an IDH1 inhibitor), are specific to form fluorapatite or chlorapatite.

AI Overview

Bone Marrow does not have a single chemical structure, but rather its composition varies between red and yellow marrow, which are primarily composed of 40% **Lipids (fats) = 4.[$C_{55}H_{98}O_6$] ,40% Water = 4.[H_2O] , and 20% Proteins.** Red marrow contains hematopoietic (blood-forming) cells and a significant amount of fat, while yellow marrow consists mainly of fat cells and has little vascularity. Both types also contain connective tissue, minerals, and various other chemical compounds that support cell function and blood production. **Silicotugstic Acid** = (SA) = $[C_1H_3C\ O_2C_2H_5] \rightarrow [C_7H_6O_3]$

Protein Cholesterol (PC)= 2 [$C_{27}H_{46}O_1$] , Nucleotides = 2 [$C_{10}H_{16}N_5O_{13}P_3$], **Marrow**-Bones- Protein = 2 [$NH_2CH_2(CH_2)_3CH + NH_2 + COOH$] =(MBP)

THE ACTIONS :

1. CARRIER - WAVE = GPH + HB + BST
2. MODULATING - WAVE = SA + PC + MBP + L
3. MODULATED-WAVE = (1) + (2)
4. DEMODULATING WAVE = (1) + (2) + ANTIDOTE

Targeted Therapy Drugs for Acute Myeloid Leukemia (AML)

American Cancer Society https://www.cancer.org › cancer › types › treating › tar...

4 Mar 2025 — **Gilteritinib (Xospata)** can be used to treat adults whose leukemia cells have a mutation in the FLT3 gene and whose AML has not gotten better on ...

There is no single "best" Drug for Acute Myeloid Leukemia (AML), as treatment depends on specific factors like the AML subtype, patient health, and genetic mutations, but commonly used drugs include the combination of cytarabine, Cytarabine | C9 H13 N3 O5 , and an Anthracycline =

and an anthracycline (the standard "7+3" induction therapy) for many AML cases. For AML with certain genetic mutations, targeted therapies like midostaurin, quizartinib, or gemtuzumab = Mylotarg

ozogamicin are added. Other important drugs include azacitidine = , decitabine, and venetoclax, which are

Gilteritinib | C29 H44 N8 O3 | CID 49803313

Midostaurin | C35 H30 N4 O4 | CID 9829523

National Institutes of Health (NIH) | (.gov)
https://pubchem.ncbi.nlm.nih.gov › compound › Midos...

Midostaurin is **an organic heterooctacyclic compound** that is the N-benzoyl derivative of staurosporine. It has a role as an EC 2.7.11.13 (protein kinase C)

often used for patients who can't tolerate intensive chemotherapy.

Quizartinib | C29 H32 N6 O4 S | CID 24889392

Mylotarg | C73 H97 I1 N6 O25 S3 | CID 168322462

National Institutes of Health (NIH) | (.gov) https://pubchem.ncbi.nlm.nih.gov › compound › Mylot...

Mylotarg | C73H97IN6O25S3 | CID 168322462 - structure, chemical names, physical and chemical properties, classification, patents, literature, biological . $C_{73}H_{97}IN_6O_{25}S_3$

Ozogamicin | C73 H97 I N6 O25 S3 | CID 9942071

National Institutes of Health (NIH) | (.gov) https://pubchem.ncbi.nlm.nih.gov › compound › Ozog...

4-[(2S,3R,4R,5S,6S)-3,5-dihydroxy-4-methoxy-6-methyloxan-2-yl]oxy-5-iodo-2,3-dimethoxy-6-methylbenzenecarbothioate

Doxorubicin | C27 H29 NO11 | CID 31703 National Institutes of Health (NIH) | (.gov) https://pubchem.ncbi.nlm.nih.gov › compound › Doxo...

Anthracyclines contain a quinone structure that may undergo reduction via NADPH-dependent reactions to produce a semiquinone free radical that initiates a cascade of oxygen-free radical generation. It appears that the metabolite, doxorubicinol, may be the moiety responsible for cardiotoxic effects, and the heart may be ...

Treatment strategies

Common combination chemotherapy regimens[4]

Cancer type	Drugs	Acronym
Breast cancer	Cyclophosphamide= [C7H15C12N2O2P] , methotrexate, = [C20H22N8O5] , 5-fluorouracil = [C4H3FN2O2] , vinorelbine = [C45H54N4O8] ,	CMF
	Doxorubicin = [C27H29NO11] ,	AC
	Docetaxel= [C43H53NO14] ,	TAC
Hodgkin's lymphoma	Doxorubicin, bleomycin=[C55H84N20O21S2] , , vinblastine=[C46H58N4O9] , , dacarbazine=[C6H10N6O] , Mustine=[C5H11C12N]	ABVD
	procarbazine=[C12H19N3O], prednisolone=[C21H28O5]	MOPP
Non-Hodgkin's lymphoma	Cyclophosphamide, doxorubicin, vincristine, prednisolone	CHOP, R-CVP
Germ cell tumor	Bleomycin=[C55H84N20O21S2] , etoposide, cisplatin	BEP
Stomach cancer[5]	Epirubicin=[C2H29NO11]=[C27H30ClNO11] cisplatin= Pt[NH3]2 Cl 2, 5-fluorouracil	ECF
	capecitabine=[C15H22FN3O6]	ECX
Bladder cancer	Methotrexate=[C20H22N8O5], vincristine, doxorubicin= [C27H29NO11], cisplatin=Pt[NH3]2 Cl 2,	MVAC
Lung cancer	Cyclophosphamide=[C7H15Cl2N2O2P], doxorubicin= [C27H29NO11] , vincristine, vinorelbine= [C45H54N4O8] ,	CAV
Colorectal cancer	5-fluorouracil= [C4H3FN2O2] , folinic acid= [C20H23N7O7] ,oxaliplatin= [C8H14N2O4Pt] ,	FOLFOX
Pancreatic cancer	Gemcitabine= [C9H11F2N3O4] ,5-fluorouracil	FOLFOX
Bone cancer	Doxorubicin= [C27H29NO11] , cisplatin, methotrexate= =[C20H22N8O5] ifosfamide= [C7H15Cl 2N2O2P] , etoposide= [C29H32O13]	MAP/MAPIE

EFFECTIVE [ALS] edrugs include Riluzole = [C8 H5 F3 N2 O S] , an oral medication that slows disease progression by reducing glutamate levels; Edaravone = [C10 H10 N2 O] an intravenous antioxidant that protects neurons from oxidative stress; and Sodium phenylbutyrate/taurursodiol (AMX0035)= [C8 H5 F3 N2 O S] , a combination therapy approved to reduce disease progression. Another option is Tofersen = [C230 H317 N72 O123 H19 S15] (Qalsody), an antisense oligonucleotide for SOD1-related ALS, which targets the underlying genetic cause.

There are a number of strategies in the administration of chemotherapeutic drugs used today. Chemotherapy may be given with a curative intent or it may aim to prolong life or to palliate symptoms.

1...Induction chemotherapy is the first line treatment of cancer with a chemotherapeutic drug. This type of chemotherapy is used for curative intent.[1][6]:55–59

C = [ALS] = Amyotrophic Lateral Sclerosis [ALS]

TO → ARIA MATRIX | Tata Memorial Cancer Center (tmcc)

European Medicines Agency
https://www.ema.europa.eu › Home › Medicines
Imatinib Teva is a cancer medicine. It is used to treat the following diseases: chronic myeloid leukaemia (CML), a cancer of the white blood cells.

Alzheimer's disease [ALS] :

The Antidotes of ALS- Disease are Detected from the Demodulation Of the MODULATED – WAVE as in Next [1 – 10] .

TYPE OF **CELL** : **The Appropriate Dose of Antidote —Effective &Total Action ,**
From ALS- Disease : Drug W_{EFFECT} = N.10^15 Hz --- $W_{ANTIDOTE}$ = N.10^15 Hz ,

THE BRAIN	I	**Riluzole = 6570.[C85F3N2O5] — 581,358 ---- 3100,178 . 10^15 Hz**
Hippocampus	I	**Tofersen = 200,25 [C230H317N72O123H19S15] – 516,802 ---3099,358**
Enterhial -&	I	**Edaravone = 6770.[C10 H10 N2 O] – 340,595 --- 3098,807**
Cerebral Cortex	I	
	I	**1-NEW-Symeon = 154,82.[C349 H381 Ra31O32P3] – 390,437 -- 3099,026**
Needed 3098,473	I	**2-NEW-Symeon = 154,88.[C349 H391 Rn31O32P3] – 379,475 -- 3098,819**
10^15 Hz.	I	**3-NEW-Symeon = 181,40.[C333 H444 O33 S44] – 476,397 -- 3098,647**

Using the Electronic Program ,

→ A WAY FOR DECEPTIONING THE NORMAL or DANGEROUS CELS ←

AND Applied to 4-Types creating the , CLL = Chronic Lymphocyte Leukemia
Is sent to You the Results for the efficiency of the Two European Drugs ,
Another Two Detected from Program , Three Indian Drugs from Teva
and Imatinib-Teva from America

ADITIONALLY

For Alzheimer Disease [ALS] , The Results for the efficiency are for the Three above , Riluzole , Tofersen , Edaravone , and Three Detected from Program ,

Side effects can be checked from the Constructing Company

Markos Georgallides

Tel

99 653 551

[ALS]

Amyloyed-[b1P+b2P]+[Ca +NA +O2] + [Ald] +[g-HBP] // +++ \\ DRUG Riluzole = 6570..[C8 H5 F3 N2 O5]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	3100.178172 x 10^{15} Hz
Energy	=	Q_0	=	3.2693 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.22562105 x 10^{-19} Farad/s
Current	=	I_C	=	1.01 x 10^{3} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.0404 x 10^{-18} Farad
Resonance-Voltage	=	V_R	=	3.14 x 10^{2} Volt
Voltage across Inductor	=	V_L	=	1.0135 x 10^{-16} eV
Power of LC-System	=	P_{CL}	=	1.0272 x 10^{-13} Watt
Maximum Flowing Current	=	I_{max}	=	1.01 x 10^{3} Ampere
Capacity Discharged Period	=	T_s	=	5.0667 x 10^{-19} s
Radiation - Thermal	=	T_K	=	4.79 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	37.991031 x 10^{-10} m

Amyloyed-[b1P+b2P]+[Ca +NA +O2] + [Ald] +[g-HBP] // +++ \\ 2- NEW DRUG Symeon =154,88.[C349 H391 Rn31 O32 P3]

LC - Chemical Coupling

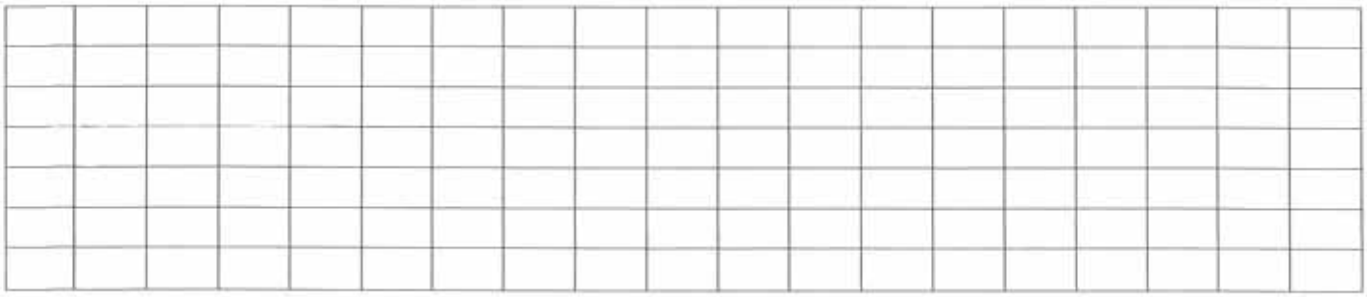
Resonance - Frequency	=	W_0	=	3098.818777 x 10^{15} Hz
Energy	=	Q_0	=	3.2678 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.22703608 x 10^{-19} Farad/s
Current	=	I_C	=	1.01 x 10^{3} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.0413 x 10^{-18} Farad
Resonance-Voltage	=	V_R	=	3.14 x 10^{2} Volt
Voltage across Inductor	=	V_L	=	1.0126 x 10^{-16} eV
Power of LC-System	=	P_{CL}	=	1.0254 x 10^{-13} Watt
Maximum Flowing Current	=	I_{max}	=	1.01 x 10^{3} Ampere
Capacity Discharged Period	=	T_s	=	5.0690 x 10^{-19} s
Radiation - Thermal	=	T_K	=	4.78 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	38.845874 x 10^{-10} m

Antidote - Action

The Antidote	DRUG Riluzole = 6570..[C8 H5 F3 N2 O5] : $C_{52560}H_{32850}F_{19710}N_{13140}O_{32850}$
Final Compound	Amyloyed-[b1P+b2P]+[Ca +NA +O2] + [Ald] +[g-HBP] : $SCaN_{55}N_{27}N_{11}NC_{203}C_{84}C_{12}H_{311}H_{119}H_{14}H_3H_2O_{60}O_{22}O_{11}O_4O_2OO$

Needed W	=		=	3098.47289792 x 10^{15} Hz
Needed E	=		=	2039.40670119876 eV
Circular - Frequency	=	W_{RAN}	=	3100.17817223 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	2040.53982766655 eV
Frequency - Antidote	=	f_{ANT}	=	493.4232328874 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	1.747685 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.003541959 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0005637203 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	-4.1577 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	31421833.690135 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	2065.75683464932 Volt
Intensity - Current	=	I_C	=	1013549.284734 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	5.605 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-0.11445 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	0.403713 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.000323 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	0.75666428342159
Bands UL - Deviation	=	ΔW_{RES}	=	2958.717130519 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	98.6846465775 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.364120018929269
Bands UL - Amplitude	=	A_{BUL}	=	0.000113 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	318475770616677 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	636951541233353 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	159237885308338 x $10^{-1°}$ Watt

The Demodulated FM - Waveform

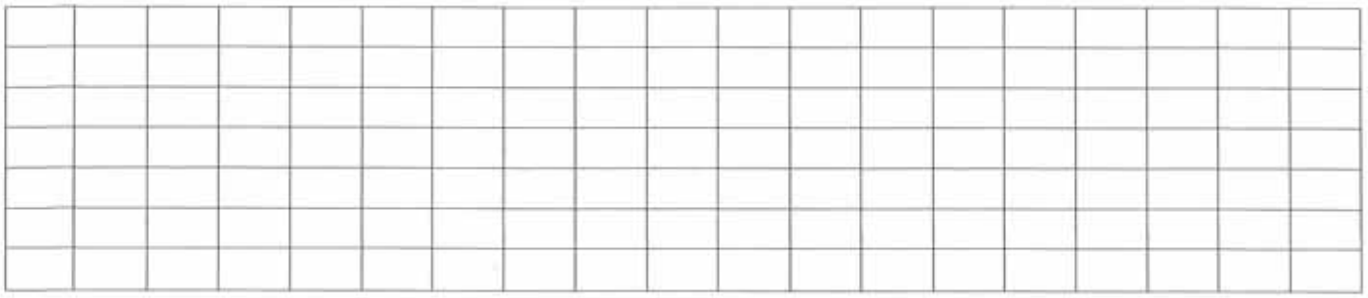


Antidote - Action

The Antidote	2- NEW DRUG Symeon =154,88.[C349 H391 Rn31 O32 P3] : $C_{54055}H_{60558}Rn_{4801}O_{4956}P_{465}$
Final Compound	Amyloyed-[b1P+b2P]+[Ca +NA +O2] + [Ald] +[g-HBP] : $SCaN_{55}N_{27}N_{11}NC_{203}C_{84}C_{12}H_{311}H_{119}H_{14}H_3H_2O_{60}O_{22}O_{11}O_4O_2OO$

Needed W	=			3098.47289792 x 10^{15} Hz
Needed E	=			2039.40670119876 eV
Circular - Frequency	=	W_{RAN}	=	3098.81877716 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	2039.645072710148 eV
Frequency - Antidote	=	f_{ANT}	=	493.2068720611 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	2.70812 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.00549084 x 10^{-10} m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0008738943 x 10^{-10} m
Modulated SB - Potential	=	V_{SBF}	=	-4.1577 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	31380517.395109 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	2064.85102230424 Volt
Intensity - Current	=	I_C	=	1012660.618504 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	6.782 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-0.11445 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	0.327139 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.000323 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	0.627207953197493
Bands UL - Deviation	=	ΔW_{RES}	=	2957.3577354474 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	98.6413744122 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.363841070021759
Bands UL - Amplitude	=	A_{BUL}	=	0.000175 x 10^{-10} m
LC - Circuit - Potential	=	P_{LC}	=	317778141543092 x 10^{-10} Watt
T. Modulated - Power	=	P_{TM}	=	635556283086184 x 10^{-10} Watt
SideBands - Power	=	P_{SB}	=	158889070771546 x 10^{-10} Watt

The Demodulated FM - Waveform



What is Alzheimer's Disease?

What is the difference between Alzheimer's and dementia?
Dementia describes the state of a person's mental function. It's not a specific disease. It's a decline in mental function from a previously higher level that's severe enough to interfere with daily living.

Communication. Neurons are constantly in touch with neighboring Brain cells. When a Neuron receives Signals from other Neurons, it generates an Electrical Charge that travels down the length of its Axon and releases Neurotransmitter Chemicals across a tiny gap called a Synapse. Like a key fitting into a lock, each Neurotransmitter molecule then binds to specific receptor sites on a Dendrite of a nearby Neuron. This process triggers Chemical or Electrical Signals that either stimulate or inhibit activity in the Neuron receiving the signal. Communication often occurs across networks of Brain cells. In fact, scientists estimate that in the brain's communications network, one Neuron may have as many as 7,000 synaptic connections with other neurons. The early loss of Synaptic connections is one of the main hallmarks of cognitive decline associated with Alzheimer's.

Amyloid Plaques

The Beta-Amyloid Protein involved in Alzheimer's is formed from theBreakdown of a larger Protein called the Amyloid precursor. It comes in several different molecular forms that collect between Neurons. The beta-Amyloid 42 formis thought to be especially Toxic. In the Alzheimer's Brain, Abnormal levels of this Naturally occurring Protein clump together to form Plaques that Disrupt Cell-Function.

β-Amyloid (1-42), human

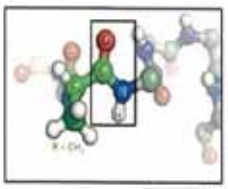
GenScript https://www.genscript.com › peptide › RP10017-_A...

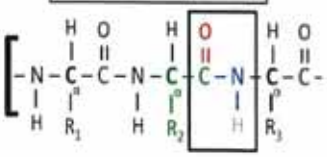
Molecular Formula, [C203 H311 N55 O60 S] ; Molecular Weight, 4514.1 ; Purity, > 95% ; Solubility, Soluble in water ; Form, Lyophilized.

Amyloid b-Protein (1-16) - PubChem

National Institutes of Health (.gov)
https://pubchem.ncbi.nlm.nih.gov › compound

Molecular Formula.[C84 H119 N27 O] ; Molecular Weight. 1955.0 g/mol. Computed by PubChem 2.1 (PubChem release 2021.05.07) ; Create: 2017-12-18 ; Modify: 2023-09-23 ; C ...Above Electronic Frequencies .





[C203 H311 N55 O60 S] = 44,55.10^15.Hz / 2932 eV
[C84 H119 N27 O1] = 20,01.10^15.Hz / 13,17 eV

What is the Chemical formula of Protein? General Formula , RCH(NH2)COOH , where C is Carbon, H is Hydrogen, N is Nitrogen, O is Oxygen, and R is a Group, varying in composition and structure, called a Side Chain.Mid-life Hypertension is a risk factor for late-life Dementia, Hypertension may also Promote the Neurodegenerative Pathology underlying **Alzheimer's Disease**.

Proteins are the chemicals whichare made of small units called.

Protein Nutrition Chemistry LibreTexts https://chem.libretexts.org › ... › Exemplars › Biology

8 Mar 2023 — By inspecting the molecular structure, we see that **LYS is C6H14N2O2** ... chemical equation. Calculations are shown for each possible case ...

Human-Dietary Protein , [HDP] = [Ca3 C3 N3 O3 H6] =4,33.10^15Hz / 2,85 eV

Triphosphate **Nutrition** Protein [TNP] = [C9 H15 N2 O15 P3] =6,20.10^15Hz / 4,08 eV

Melatonin= [C13 H16 N2 O2] . **Serotonin**= [C10 H12 N2 O1] .

Alzheimer's disease: What Causes Alzheimer's ??-ALS -

The causes of Alzheimer's disease are not yet fully understood, but probably include a combination of: Age-related changes in the brain, like shrinking, inflammation, blood vessel damage, and breakdown of energy within cells, which may harm neurons and affect other brain cells. **Resuch as intoxications, infections, Abnormality in the Pulmonary and Circulatory Systems, which causes a Reduction in the Oxygen - Supply to the Brain, Nutritional-Deficiency, Vitamin B12=[C63 H88 Co N14 O14 P] = 22,93.10^155Hz–15,09Ev, Deficiency, Tumors, and others [4,5].**

Healthy–Neurons

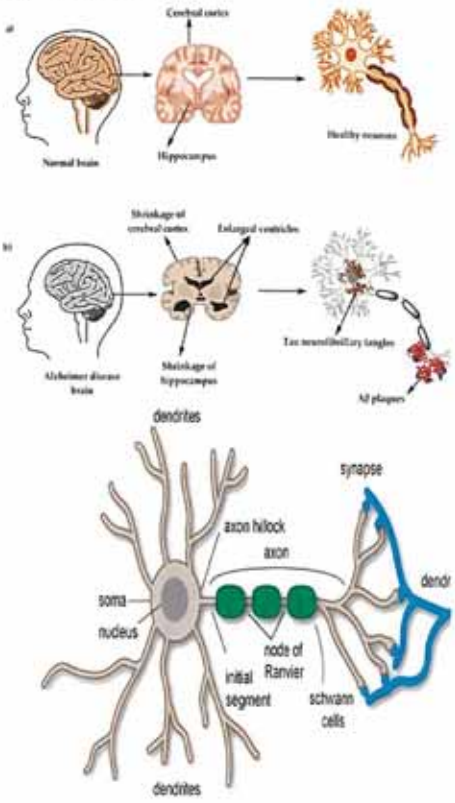


Figure 1. The Physiological structure of the Brain and Neurons in **(a) Healthy brain** and **(b) Alzheimer's disease** (AD) brain.

Identification of an Intracellular Mechanism that mediates Motor Neuron (MN) Death in Amyotrophic Lateral Sclerosis (ALS) .

TABLE 2 - uploaded by Ertug Aydin
Content may be subject to copyright.

Parameter	Fly ash	Cement
Insoluble SiO_2	40.76	0.16
Soluble SiO_2	—	20.92
Al_2O_3	28.32	4.54
Fe_2O_3	5.26	1.50
CaO	17.92	63.90
MgO	2.95	2.46
SO_3	1.16	2.69
Loss on ignition	1.34	0.91

Chemical Compositions of Soma Fly Ash & Cement

Disease-Neurons in (b) = **SOMA = [C12 H24 N2 O4]**

Dendrite

Introduction to Biological Psychiatry. membrane lipids can participate on signal transduction. Properties of axonal **membranes** allowing Signal transmission in the form of action potentials:.(c) = **Dendrite** = N6O3H5 + N2OH3 + N4O2H4 + N2OH3 + N7O3H5 + N2OH3+ N4O2H4 + N2OH3 + N6O3H5+ N2OH3+ N4O2H4+ N2OH3+ N7O3H5+ N2OH3 + N4O2H4+ N2OH3

Axons are long projections of the nerve cell that are characterized by an excitable plasma Membrane. In myelinated axons, patches of axon membrane are wrapped into myelin sheath, which enables a more efficient transmission of electrical signal1. The exposure to excessive stress can cause damage of the cellular membrane or myelin sheath, resulting in axon's dysfunctions that can be the origin of

Neurological Diseases 2·3·4. Knowing how these cellular elements respond to

Axon - Membrance Lipids (d) = (1)..Palmitate = [**O2 O2 P O4 N**] (2)..Palmitate = [**H O N H O P O4 N**] (3)..Palmitate = [**H O N H O H5 O6**]

Chaperone mutations for , SOD1 ,

When Phospholipids are exposed to water, they self-assemble into a two-layered sheet with the Hydrophobic tails pointing toward the center of the sheet.

Cross-section analysis-(d) = HEAD >> HYDRATED LIPID-ACID = N (PO4) H O2 O2

TILE >> DEHYDRATED-LIPID-ACID= N (PO4) H O2 O2

The efficacy of Superoxide dismutase-1 (SOD1) folding impacts Neuronal loss in Motor System Neurodegenerative diseases.Mutations can prevent SOD1 post-translational Processing leading to Misfolding and Cytoplasmic Aggregation in familial Amyotrophic Lateral Sclerosis (ALS).

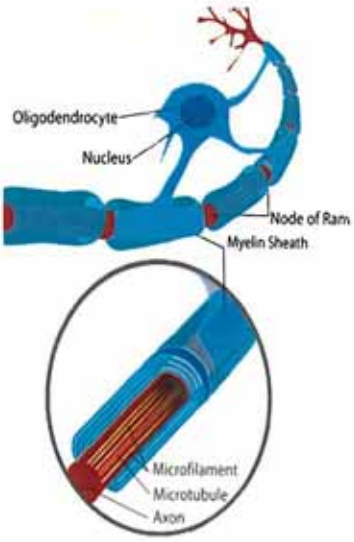
SOD2 helps to reduce oxidative stress by clearing away one particular reactive oxygen species (ROS) molecule–Superoxide anion (f) =11(O2-). SOD1= O2PS2 ,SOD2= H2CO2PS2 , SOD3= CH2 H2CO2PS2

Adeno-associated virus (AAV) delivery to Spinal Neurons reduced SOD1 Misfolding,

The Catalytic Cycle at the Active Site of SOD1 is from → [1] = **[Cu N5 O3 H16 As Zn]** [2] = **[Cu N5 O4 H14 As Zn]** , [3] = **[Cu N5 O2 H15 As Zn]** , [4] = **[Cu N5 O4 H14 As Zn]** ,

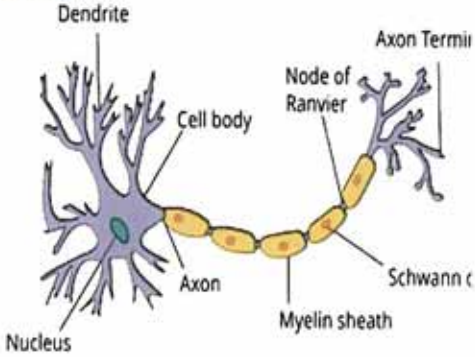
Tyrosine's chemical structure consists of an aromatic phenyl ring with a hydroxyl group attached at the para (4th) Position, an amino group, and a carboxyl group, →

making it an alpha-amino acid with the formula (e) = $C_9H_{11}NO_3$. It is a polar, aromatic amino acid that plays roles in protein synthesis and is a precursor to neurotransmitters and Hormones. Tyrosine is used in health supplements to improve mental alertness and mood, and in science for cell culture media and enzyme applications.



Acetylcholine (ACh)= [C7 H16 Cl N O2]= 12,14.10^15Hz — 7,98.eV **is an Organic Compound that functions in the Brain and Body of many types of Animals (including Humans) as a Neurotransmitter.[1]**

Its name is derived from its Chemical structure: it is an ester of Acetic Acid and Choline.[2] Parts in the Body that Use or are Affected by Acetylcholine are referred to as Cholinergic. Acetylcholine (ACh) is a neurotransmitter formed from acetic acid and choline. Its chemical formula is C7H16NO2+, and it functions to transmit signals between neurons and between nerves and muscles. ACh is crucial for voluntary muscle movement, heart rate regulation, learning, memory, and sensory perception. It is involved in various physiological processes, including glandular secretion, muscle contraction, and sleep.



Neurotrasmitters :

1 = Adrenaline = [C9 H13 N O3]→Pleasure–Drug
2 = Nor-Adrenaline = [C8 H11 N O3]
3 = Dopamine = [C8 H11 N O2] → Pleasure–Drug
4 = Seratonine = [C10 H12 N2 O]→ Pleasure – Drug .
5 = Gaba Receptor = [C4 H9 N O2]
6 = Seratonine = [C4 H9 N O2]

Overview :

Node of Ranvier in the Peripheral Nervous System

The nodes of Ranvier (a)= Na^+/Ca^{2+} exchangers and high density of voltage-gated Na^+ channels that generate action potentialsThe nodes are primarily composed of sodium and potassium voltage-gated ion channels; CAMs such as neurofascin-186 and NrCAM; and cytoskeletal adaptor proteins such as ankyrin-G and spectrinβIV.[4] Many vertebrate axons are surrounded by a myelin sheath, allowing rapid and efficient saltatory ("jumping") propagation of action potentials. The contacts between neurons and glial cells display a very high level of spatial and temporal organization in myelinated fibers. The myelinating glial cells - oligodendrocytes (g)= MBP = Molecular formula: $C_{12}H_{14}O_4$, in the central nervous system (CNS), and Schwann cells in the peripheral nervous system (PNS) - are wrapped around the axon, leaving the axolemma relatively uncovered at the regularly spaced nodes of Ranvier. Hypertension alters Brain chemistry by increasing oxidative stress, leading to damage from reactive oxygen species (ROS). It impairs nitric oxide (h)=11(NO) production, hindering the regulation of cerebral blood flow. Furthermore, it triggers neuroinflammation, alters blood-brain barrier (BBB) integrity, and can increase the accumulation of amyloid-beta proteins, which contribute to cognitive decline and neurodegenerative processes.**Serotonin** isa monoamine neurotransmitter and hormone with chemical formula (i) = $C_{10}H_{12}N_2O$, known for regulating mood, sleep, appetite, and gut motility. **Glycine** = [C2 H5 N O2] .glycine acts as an inhibitory neurotransmitter in the spinal cord and brainstem, slowing down neuronal firing by activating glycine receptors and causing chloride ion influx

INTRACELLULAR PROTEIN - CALCIUM SIGNALING

The main property of Neuronal and other excitable Cells is their capability to Transform excitatory Waves into intracellular Signals, where they Trigger or Modulate practically all cellular functions .The Influx of Calcium ions from the Extracellular medium (The Calcium Signals„) plays a Key-Role in this Process.

Adenosine Monophosphate = [AMP] = | C10 H14 N5 O7 P]
Adenosine -5'-Triphosphate = [ATP] = | C10 H16 N5 O13 P3 | CID5957
National Institutes of Health (.gov)
https://pubchem.ncbi.nlm.nih.gov › compound › Aden..ATP is an adenosine 5'-phosphate in which the 5'-Phosphate is a Triphosphate group.involved in the transportation of chemical energy during metabolic ..

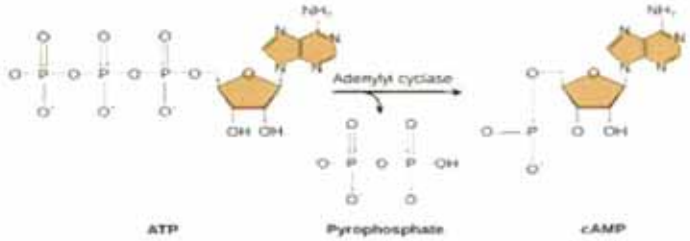
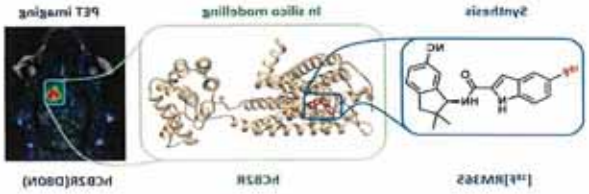


Figure 9.13 Formation of cyclic AMP (cAMP). cAMP serves as a second messenger in many cell types. Termination of the signal occurs when an enzyme called phosphodiesterase converts cAMP into AMP.



Cerebellum = [C O_1 F N_3 H_2] → Axonal Remodeling

[CO_1 F N_3 H_2] = 12,05.10^15Hz - 7,93.eV
[AMP] = [C_{10} H_{14} N_5 O_7 P_1] = 5,42.10^15Hz - 3,57.eV
[ATP] = [C_{10} H_{16} N_5 O_{13} P_3] = 6,85.10^15Hz - 4,51.eV

THE BRAIN RECEPTORS & REGULATORS

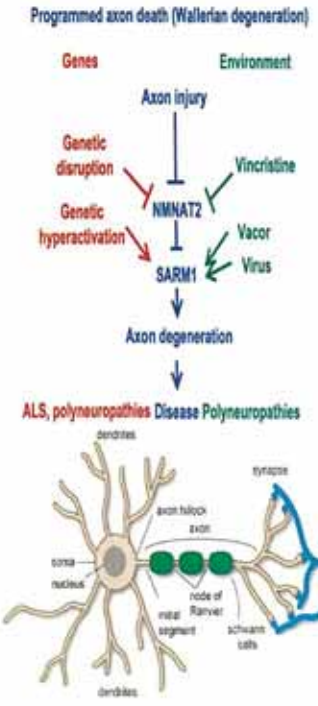


Fig. 3 **The multiple triggers of Programmed Axon Death in Human disease. The NAD(P)ase and/or base exchange activity of SARM1 drives degeneration. It occurs in axons specifically when its upstream Regulator, NMNAT2, falls below a threshold level, which may occur after axon injury, NMNAT2 LoF mutation or axonal transport deficits, such as caused by some cancer chemotherapeutics targeting microtubules. SARM1 can also be activated directly by GoF mutation or some Toxins, and this can also cause Death of the soma. Some viruses also cause SARM1-dependent degeneration**

Brain Receptor - SARM1 = [N3 O3 F3 H2] Figure 1 →
Brain Receptor – SARM2 = [C2 N2 O2 F3 H]
Brain Receptor – NMNAT2 = [N2OH2 + O3H2 + PO4H]
Soma = [C12 H24 N2 C4] = { 7,27 / 4,79 }
Axon-Membrance-Lipids={71,69/47,32} (1)..Palmitate = [O2 O2 P O4 N] (2)..Palmitate = [H O N H O P O4 N] (3)..Palmitate = [H O N H O H5 O6]

In Humans, **The Cerebellum** [AR] = [C O F N3 H2], Plays an important Role in Motor Control. **Acetylcholine (ACh)= [C7 H16 Cl N O2]**
=12,14.10^15Hz — 7,98.eV

What is Aphasia? It's a Symptom of Damage to the Parts of the Brain that control Language.**Types of Signal Transducing Messengers**

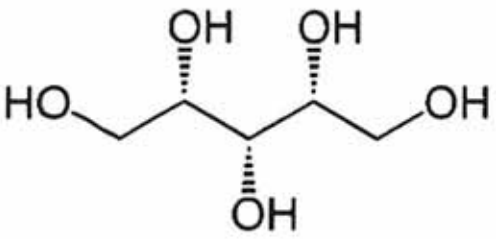
THE ACTION PROCESS :

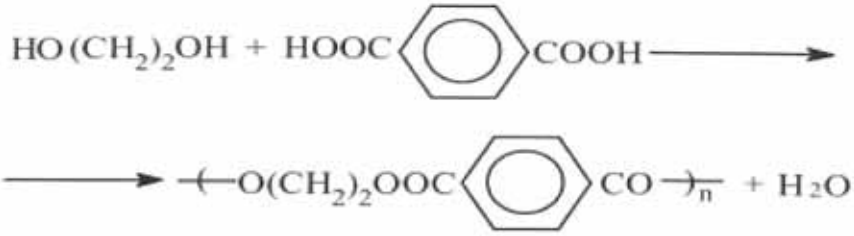
INITIAL STATE = Remo - CEREBELLUM >>> [SOMA - AXON – DENDRITE]
FINAL STATE = SOD → [SARM1 + NMNAT2] + [SOMA- AXON – DENDRITE]
THE BRAIN - ACTIONS = DRUGS → N-SOD → INJURE →

DEMODULATION → DRUGS → ANTIDOTE

bottom: Palmitic acid, Oleic acid, Alpha-Linolenic

POLYOL – [OH] 2 OH [OH] 2



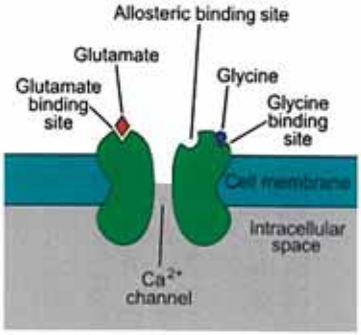


Polyethylene fiber is $(C_2H_4)_n$

Terephthalic acid $[C_8H_6O_4]$ is an Aromatic dicarboxylic Acid with a Symmetrical structure, consisting of a Benzene Ring with two carboxyl groups $(COOH)$ at opposite (para) positions. Its chemical construction, derived from the oxidation of p-xylene, makes it a crucial monomer for creating Polymers like Polyethylene terEphthalate (PET) and Polybutylene terephthalate (PBT), used in textiles, packaging, and other

A **Neuromuscular disease** is any disease affecting the Peripheral Nervous system (PNS), the Neuromuscular junctions, or skeletal muscles, all of which are components of the Motor unit. Damage to any of these structures can cause Muscle Atrophy and weakness. Issues with sensation can also occur.

Activated NMDAR



Glutamate | C5 H8 N O4- | Glycine | C2 H5 N O2 | CID 750 - PubChem - NIH

Tricalcium Phosphate = [Ca3 (PO4)2] + H2 S O4 →Ca(H2PO4)2 +2CaSO4

Collagon Repeat Unit = C4 H6 N2 O3 [R2] . [C7 H9 N2 O2 R] n

Collagon Vitamin C = C6 H8 O6

Aerobic Respiration = C6 H12 O6 + CO2 = 6.CO2 +6.H2O + ATP = Energy

Lineloic Acid = [C18 H32 O2] is Disolved in (Ethanol=C2H6O & CH3CH2OH) in the Water H2O.

NMDAR - Glycine = [C2 H5 N O2]

LC - Chemical Coupling

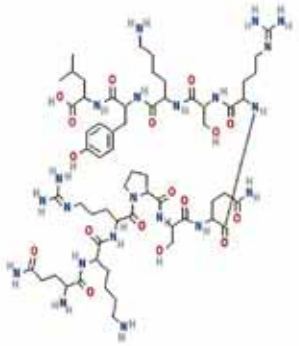
Resonance - Frequency	=	W_0	=	2.833353×10^{15} Hz
Energy	=	Q_0	=	2.9879×10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	$3.52938720 \times 10^{-16}$ Farad/s
Current	=	I_C	=	8.47×10^{-4} Ampere
Inductance	=	L	=	1×10^{-19} Hz
Capacity	=	C	=	1.2456×10^{-12} Farad
Resonance-Voltage	=	V_R	=	$2.39868734 \times 10^{-7}$ Volt
Voltage across Inductor	=	V_L	=	8.4658×10^{-23} eV
Power of LC-System	=	P_{CL}	=	7.1671×10^{-26} Watt
Maximum Flowing Current	=	I_{max}	=	8.47×10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	5.5439×10^{-16} s
Radiation - Thermal	=	T_K	=	4.38×10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.328323×10^{-10} m

NMDAR - Glutamate = [C5 H8 N O4]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	3.718427×10^{15} Hz
Energy	=	Q_0	=	3.9213×10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	$2.68930942 \times 10^{-16}$ Farad/s
Current	=	I_C	=	1.46×10^{-3} Ampere
Inductance	=	L	=	1×10^{-19} Hz
Capacity	=	C	=	7.2323×10^{-13} Farad
Resonance-Voltage	=	V_R	=	$5.42187176 \times 10^{-7}$ Volt
Voltage across Inductor	=	V_L	=	1.4581×10^{-22} eV
Power of LC-System	=	P_{CL}	=	2.1260×10^{-25} Watt
Maximum Flowing Current	=	I_{max}	=	1.46×10^{-3} Ampere
Capacity Discharged Period	=	T_s	=	4.2243×10^{-16} s
Radiation - Thermal	=	T_K	=	5.74×10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.658572×10^{-10} m

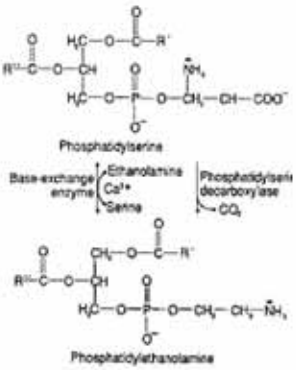
Myelin BASIC Protein (MBP) |C60 H103 N21 O17|



Interactions[edit] , { For - Alzheimer }

Myelin Basic Protein has been shown to interact *in vivo* with Proteolipid Protein 1,[25][26] and *invitro* with calmodulin, Calmodulin = [N8 H11 O11 S] , Actin = [N8H11O11S], Tropomyosin, Tubulin = [N4 F3 O2 Cl H + N4O2ClH + N4O2ClHF2] Clathrin, 2',3'-Cyclic -nucleotide 3'-Phosphodiesterase and multiple molecules of the Immune System. MBP | C12 H14 O4

Canonical transient Receptor Potential channels (TRPC) are involved in Receptor-operated and/or store-operated Ca^{2+} Signaling. Inhibition of TRPCs by small molecules was shown to be promising in treating Renal diseases. In cells, the channels are regulated by Calmodulin (CaM). CaMKII is a Remarkably complex Protein Kinase, known to have a Fundamental Role in Synaptic-Plasticity and Memory formation. Further, CaMKII has also been suggested to be a tau kinase. CaMKII dysregulation may therefore be a Modulator of Toxicity in Alzheimer's disease, a Dementia characterised by aberrant Calcium Signalling, synapse and Neuronal loss, and impaired Memory. Here, we first examine the evidence for CaMKII Dysregulation in Alzheimer's Patients and draw parallels to findings in disease models which recapitulate key aspects of the disease. We then put forward the Hypothesis that these changes critically contribute to Neurodegeneration and Memory impairment in Alzheimer's Disease.



The Grey matter does contain some myelinated Axons, but only a few compared to the white matter, which is where the color difference arises.

Analysis of Postmortem Brain Tissue of AD Patients has revealed that the **White matter is altered Chemically,** compared with that of patients without **Dementia**: the amounts of total Protein, myelin basic Protein (MBP) = [C80 H103 N21 O17] , myelin **Proteolipid Protein** (PLP) = [C8 H10 N1 O6 P] Cyclic nucleotide Phosphohydrolase (CNPase) = [C8 H11 N1 O10 P] and Cholesterol = | C27 H46 O | , is Significantly **Decreased**, indicating a loss of Myelin = [C74H114N20 O17] White matter Fatty Acid = ratios are also altered in AD. **White matter is composed of bundles , which connect various Grey matter areas of the Brain to each other, and carry Nerve Impulses between Neurons. Myelin acts as an insulator, which allows Electrical Signals to jump, rather than coursing through the Axon, increasing the speed of transmission of all nerve Signals .**

Alzheimer's disease (AD) is the most common Neurodegenerative disorder caused by Neuronal loss that results in cognitive and functional impairment. Formation of Neurofibrillary tangles composed of abnormal Hyperphosphorylation of tau Protein is one of the major pathological hallmarks of AD. Importantly, several Neurodegenerative disorders, including AD, are associated with Abnormal Protein .

The **Protein [CaMKII]** = [N2 O4 S H Cl + N4 O2 H2 + N6 O2 H5 S F]

Phosphorylation events. Phosphohydrates [PPH] = [C8 O10 H11 P N] , [C7O8H12PN]

Protein Kinase = [PK] = [N3O2Cl2H2 + N4H2FO2 + N5O3H5 + N4H3]

THE ACTION PROCESS :

INITIAL STATE = [MBP] + [PLP] + [CNP] >>> [SOMA - AXON – DENDRITE]
FINAL STATE = 1 , 2 ,n*[MBP] → [SARM1 + NMNAT2] + [AXON]
THE BRAIN - ACTIONS = MELATONIN + AMP + GMP + DNA-I →
= MELATONIN + AMP + GMP →
DEMODULATION = **DRUGS →** ANTIDOTES

Protein [CaMK11] Action = [N2 O4 S H Cl + N4 O2 H2 + N6 O2 H5 S F]

LC - Chemical Coupling

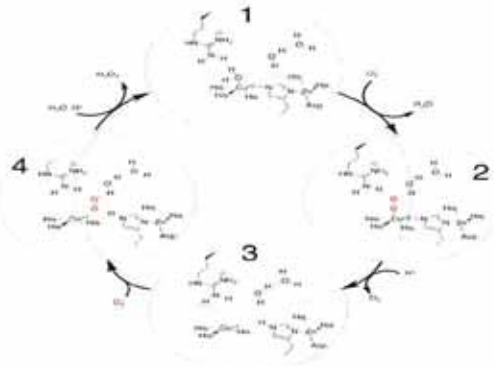
Resonance - Frequency	=	W_0	=	36.345713 x 10^{15} Hz
Energy	=	Q_0	=	3.8328 x 10^{-18} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.75135609 x 10^{-17} Farad/s
Current	=	I_C	=	1.39 x 10^{-1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	7.5699 x 10^{-15} Farad
Resonance-Voltage	=	V_R	=	5.06 x 10^{-4} Volt
Voltage across Inductor	=	V_L	=	1.3930 x 10^{-20} eV
Power of LC-System	=	P_{CL}	=	1.9406 x 10^{-21} Watt
Maximum Flowing Current	=	I_{max}	=	1.39 x 10^{-1} Ampere
Capacity Discharged Period	=	T_s	=	4.3218 x 10^{-17} s
Radiation - Thermal	=	T_K	=	5.61 x 10^{2} Kelvin
Radius In Cleft	=	r_{LC}	=	2.362585 x 10^{-10} m

Protein [CaMK11] Action + Protein Kinase = {[N3O2Cl2H2 + N4H2FO2 + N4H3]}

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	108.615582 x 10^{15} Hz
Energy	=	Q_0	=	1.1454 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	9.20678213 x 10^{-18} Farad/s
Current	=	I_C	=	1.24 x 10^{0} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	8.4764 x 10^{-16} Farad
Resonance-Voltage	=	V_R	=	1.35 x 10^{-2} Volt
Voltage across Inductor	=	V_L	=	1.2441 x 10^{-19} eV
Power of LC-System	=	P_{CL}	=	1.5477 x 10^{-19} Watt
Maximum Flowing Current	=	I_{max}	=	1.24 x 10^{0} Ampere
Capacity Discharged Period	=	T_s	=	1.4461 x 10^{-17} s
Radiation - Thermal	=	T_K	=	1.68 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	2.994202 x 10^{-10} m

The Detailed Catalytic Cycle at the Active site of SOD1. Adapted from reference 9.



Overall Reaction:

$2\,O_2^{\cdot -} + 2H^+ \rightleftharpoons H_2O_2 + O_2$

superoxide — hydrogen peroxide and dioxygen

1= [N3H5 + O2H4 + CuON2H7AsZn] + [O2H2O]

2= [N3H9O3 + CuON2H5AsZn] + [HO2]

3= [N3H5 + O2H4 + CuH3 + N2H3 AsZn] + [O2]

4= [N3H9O3 + CuON2H5AsZn] → + 1 [H2O H H2O]

The Role of the Copper-Zinc Superoxide Dismutase System (SOD1) is to Catalyze the Conversion of the Potentially Toxic **Superoxide-Anion**, $O_2^{\cdot}$,TO → the **Less-Toxic** Substance - Hydrogen Peroxide, H_2O_2.

A Simplified Catalytic Cycle can be seen in the Figure below.The overall reduction potential of the overall reaction is dependent on the Half Reactions which are:

$O_2 \rightarrow e^- + O_2^-$ (Antioxidant.1) , with E = - 0.16 V

$O_2 + e^- \rightarrow 2H^+ + H_2O_2$ (Antioxidant.2) with E = +0.89 V Therefore, the overall Reduction potential of this Reaction must be within - 0.16V **and** 0.89V.[6]

Just as a journey of a thousand miles begins with a single step, so a Complex Signaling Pathway inside of a Cell , Begins with a single key event – The Binding of a Signaling Molecule, or **Ligand**, to its receiving Molecule, or **Receptor-** . [S] →→ [R] Binding of a Ligand to a Receptor changes its shape or Activity, allowing it to transmit a Signal or directly Produce a Change inside of the Cell .

Roger Williams University

9.2.2 Methods of Intracellular Signaling

The induction of a Signaling Pathway depends on the Modification of a cellular component by an Enzyme. There are numerous Enzymatic modifications that can occur to activate the next component of the Pathway. The following are some of the more common events in Intracellular Signaling.

Phosphorylation

One of the most common chemical Modifications that occurs Sinignaling Pathways is the addition of a Phosphate group to a molecule in a Process called Phosphorylation. The Phosphate can be added to a Nucleotide such as GMP to form GDP or GTP. Phosphates are also often added to serine, Threonine, and Fyrosine residues of proteins, where they replace the hydroxyl group of the amino acid (**Figure 9.12**). The transfer of the Phosphate is catalyzed by an enzyme called a **Kinase**. Phosphorylation may activate or inactivate enzymes, and the reversal of Phosphorylation, Dephosphorylation, will reverse the effect.

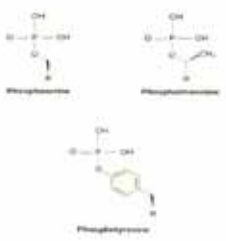


Figure 9.12 In Protein Phosphorylation, a Phosphate group (PO_4^{-3}) is added to residues of the amino acids serine, Threonine, or Tyrosine. The Phosphate group is added by a kinase.[ATP] is often used as the Substrate to add the Phosphate group to these Amino acid. The Phosphate group often results in a shape change in the Protein that can activate or turns off the function of the Protein.

Small Hydrophobic Ligands–(Brain-Receptor) Estradiol = [CO2H5]

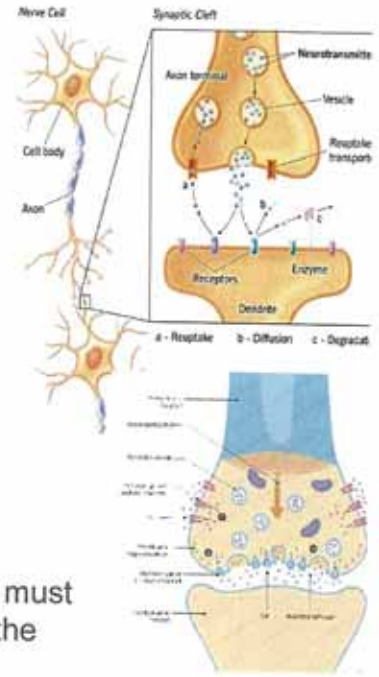
Testosteron = [C2 O2 H7] Cholesterol = [C5 O H16]

$E_s = [C O_2 H_5] = 2,10.10^{15} Hz - 1,38\ eV$

$Te = [C_2 O_2 H_7] = 1,77.10^{15} Hz - 1,17\ eV$

$Ch = [C_5 O_1 H_{16}] = 3,44.10^{15} Hz - 2,26\ eV$

What are neurotransmitters ? The Synapse



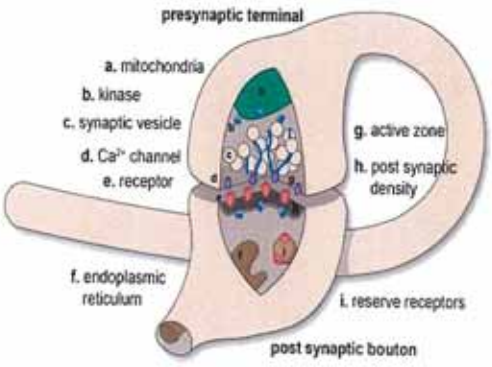
Neurotransmitters are chemical messengers that your body can't function without. Their job is to carry chemical Signals ("messages) from one neuron (nerve cell) to the next target cell. The next target cell can be another nerve cell, a muscle cell or a gland.
Your body has a vast network of nerves (your nervous system) that send and receive electrical Signals from nerve cells and their target cells all over your body. Your nervous System controls everything from your mind to your muscles, as well as organ functions. In other words, nerves are involved in everything you do, **think and feel**. Your nerve cells send and receive information from all body sources. This constant feedback is essential to your body's optimal function.

What happens to neurotransmitters after they deliver their message?After neurotransmitters deliver their message, the molecules must be cleared from the synaptic cleft (the space between the nerve cell and the next target cell). They do this in one of three ways.

Neurotransmitters:

- Fade away (a process called diffusion).
- Are reabsorbed and reused by the nerve cell that released it (a process
- called reuptake).
- Are broken down by enzymes within the synapse so it can't be recognized
- or bind to the receptor cell (a process called degradation).

The Voltage Gate = Between Postsynaptic Neuron & Presynaptic Neuron Chemical Synapses rely on Neurotransmitters to bridge the synaptic Cleft, [The Electromagnetic LC *circuit* of the Antidotes Actions] , facilitating slower, unidirectional Signalling .



Integration of Synaptic inputs

Main article: Summation (neurophysiology)
In general, if an excitatory synapse is strong enough, Then An Action - Potential in the **Presynaptic- neuron** will trigger an Action - Potential in the **Postsynaptic cell**. In many cases the excitatory Postsynaptic Potential (EPSP) will not reach the threshold for eliciting an action potential. When action Potentials from multiple Presynaptic Neurons fire simultaneously, or if a single Presynaptic Neuron fires at a high enough frequency , the EPSPs can overlap and summate. If enough EPSPs overlap , the summated EPSP can reach the threshold for initiating an action potential. This process is known as summation, and can serve as a high pass filter for neurons.**On the other hand, a Presynaptic Neuron releasing an Inhibitory Neurotransmitter, such as GABA , can cause an inhibitory Postsynaptic- Potential (IPSP) in the Postsynaptic Neuron, bringing the membrane Potential farther away from the threshold, decreasing its excitability and making it more difficult for the neuron to initiate an action Potential. If an IPSP overlaps with an EPSP, the IPSP can in many cases prevent the neuron**

from firing an action Potential. In this way, the output of a neuron may depend on the input of many different neurons, each of which may have a different degree of influence, depending on the strength and type of synapse with that neuron. John Carew Eccles performed some of the important early experiments on synaptic integration, for which he received the Nobel Prize for Physiology or Medicine in 1963.and complexity in communication compared to electrical synapses.

THE CHEMICAL ELEMENTS IN SYNAPSES . Na3

Adenosine Triphosphate | C10 H16 N5 O13 P3 | CID 5957

ATP is an adenosine 5'-phosphate in which the 5'-phosphate is a triphosphate group. It is involved in the transportation of chemical energy during metabolic ...

Adenosine cyclic phosphate | C10 H12 N5 O6(10)P | = T- D CID 6076

Molecular Formula. C10H12N5O6P ; Synonyms. Cyclic AMP; cAMP; 60-92-4; Adenosine 3',5'-cyclic monophosphate; 3',5'-cyclic AMP ; Molecular Weight. 329.21 g/mol.

Inositol trisphosphate = $C_6 H_{15} O_{15} P_3$.

Its empirical formula is $C_6H_{15}O_{15}P_3$. It is composed of an inositol ring with three phosphate groups bound at the 1, 4, and 5 carbon positions, and three ...

The Combination of the Antidotes Resonance-frequency , to that of the Natural frequency of Nucleus tuning circuit ($[W_{ANTI-C}] . \sqrt{L . C}$) & SYNAPSE- tuning circuit ($[W_{SYNAP}] . \sqrt{L . C}$)

APPLICATIONS :

1...**CISPLATIN ANTIDOTE = 240.[N2 Pt Cl2 F H6]** occupies the **Resonance** Circular frequency [W_{AN-CIS} **= 47,1513.10^{15} Hz** , with Energy Q_0 **= 312,4245.10^{-19} J Joule** , The **Antidote LC-circuit-coupling LC = 4,49793.10^{-34} HF = F / s , The circuit- current** I_0 **= 1,4731221 Ampere , an Resonance-Voltage = 6,9459618 (m-Volt)** , with Power **P = 10, 232249 (m-Watt)** , an Voltage across the Inductor is → V_L **= 0,919437. eV,** an **maximum flowing** current i_0 **= 1,4731221 Ampere** , Period T / 4 = 33,33837 .10^{-18} s , in Capacito-Tank **C = 4,49793.10^{-15} Farad .**

2...SYNAPSES ANTIDOTE 55.[ATP] = 55.[C10 H16 N5 O13 P3] occupies the **Resonance** Circular Frequency W [ATP] = 47,266 .10^{15} Hz ≡ W [AN-CIS] .

3...SYNAPSES ANTIDOTE 59.[c.AMP] = 59.[C10 H12 N5 O6 P] occupies the **Resonance** Circular Frequency W [c.AMP] = 47,151.10^{15} Hz ≡ W [AN-CIS] .

4...SYNAPSES ANTIDOTE 137.[In.TRI] = 137.[C6 H15 O15 P3] occupies the **Resonance** Circular Frequency W [c.AMP] = 47,151.10^{15} Hz ≡ W [AN-CIS] .

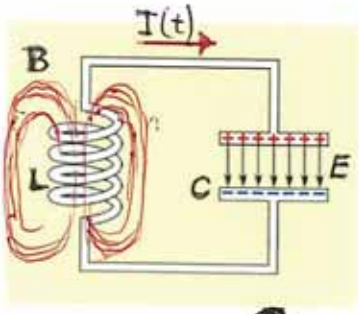
5...SYNAPSES ANTIDOTE 160.[In.TRI] = 160.[C6 H15 O15 P3] occupies the **Resonance** Circular Frequency W [c.AMP] = 50,792.10^{15} Hz >> W [AN-CIS] .

6...SYNAPSES ANTIDOTE 160.[In.TRI] + 250.N = 160.[C6 H15 O15 P3] + 250.N occupies the **Resonance** Circular Frequency W [c.AMP] = 47,166.10^{15} Hz ≡ W [AN-CIS] .

This Property of Synapses allows to Antidotes to be helped by other indivisual Atoms .

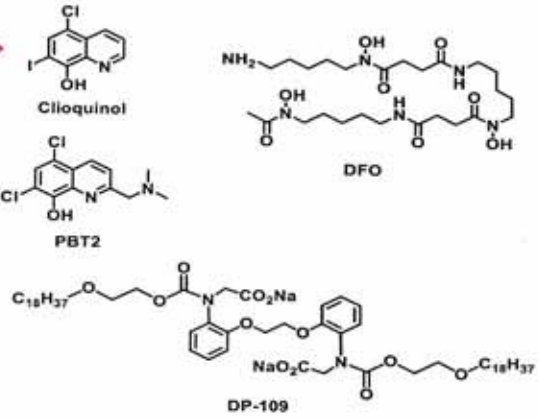
7...SYNAPSES = **THE PHYSICAL EQUIVALENT OF MAGNETS .**

The Animated diagram is showing the Operation of a tuned circuit (The LC circuit). The capacitor C stores Energy in its Electric field *E* and the inductor L stores Energy in its Magnetic field *B (green)*. The animation shows the circuit at progressive points in the oscillation. The oscillations are slowed down; in an actual tuned circuit the charge may oscillate back and forth Billions of times per second, $Q=Q_0.\cos(wt)$, $I(t)=w.Q_0 \sin(wt)$.



2.1. Bioactive Compounds & Chemicals used for the induction of Alzheimer's disease-

Fig. 4. Example chelating agents DFO, clioquinol, PBT2, and DP-109.

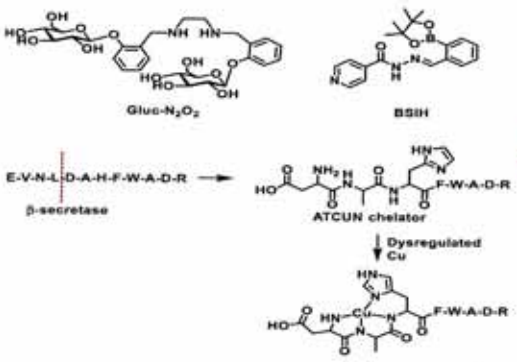


Clioquinol = [N Cl O H] **DFO = [N6 O8 H7]**

PBT2 = [N2 Cl2 O H] **DPI09 = [N2 Na2 C38 O12 H74]**

Multifunctional ligand design

Fig. 5. Examples of pro-chelators that are activated by enzymes or reactive oxygen species relevant to AD. [Colour online.]



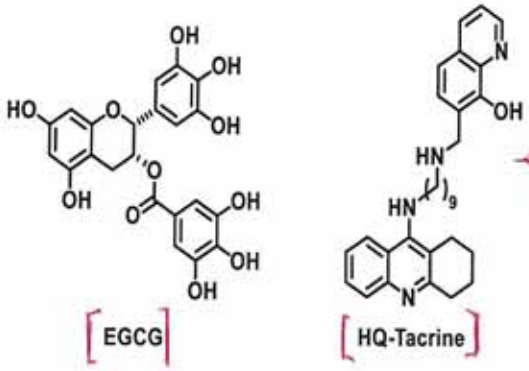
Glue - N2O2 = [N2 O12 H10]

BSIH = [N3 B O3 H]

ACTUN-Chelator = [N5 O5 H6]

Dystregalated-Cu = [N5 O5 H3 Cu]

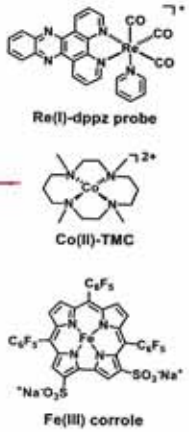
Fig. 6. Example polyphenol EGCG and bifunctional metal-binding AChE inhibitor molecule.



EGCG = [O11 H8]

HQ-Tacrine = [N4 O1 H3]

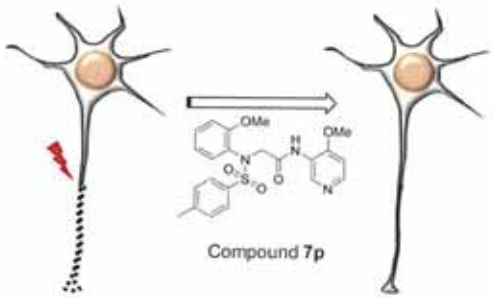
Fig. 9. Example >>>>>>



DPPZ- Probe = [N5 O3 Re I4]

CO(II) -TMC = [N4 Co]

Fe(III) –Corole = [N4 C18 O6 Na2 F15 S2 Fe]



<<< COMPOUND = [N3 Me2 O5 S H]

Methamphetamine enters the Brain and triggers a cascading release of norepinephrine, Dopamine and Serotonin. **Methamphetamine-DRUG = [C10 H15 N]**

Dopamine = [C8 H11 N O2]

Serotonin = [C2 O1 H6 N2]

sleep

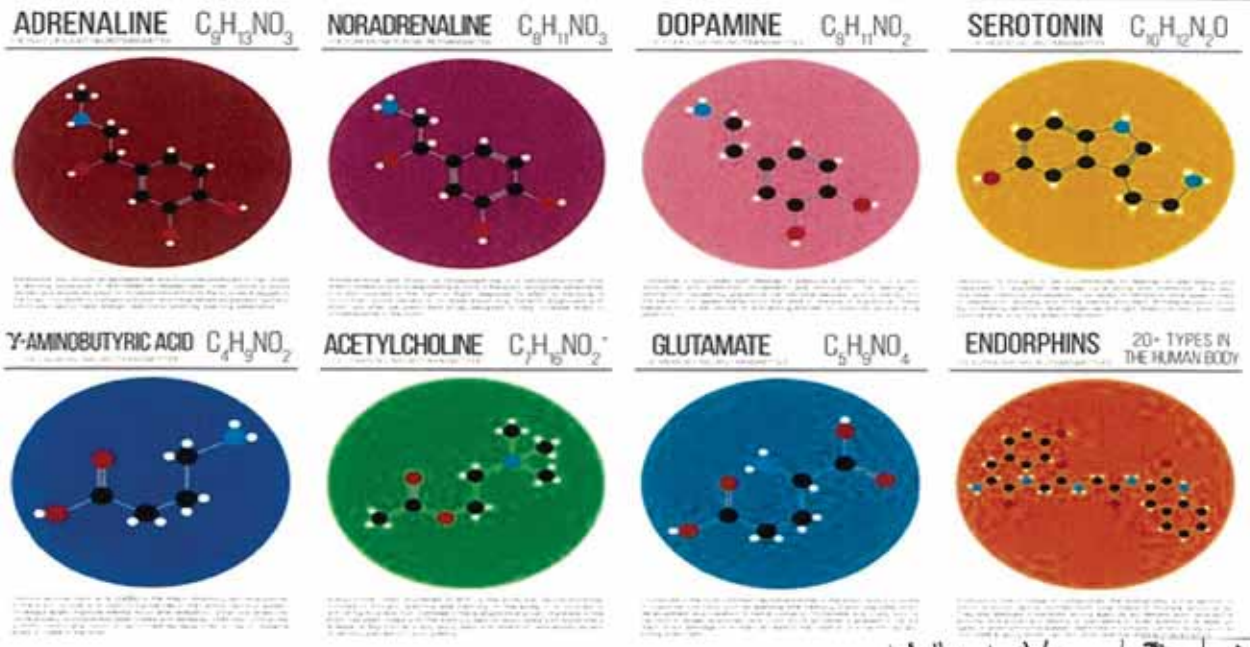
$3,79.10^{15}$ HZ
2,49 eV

$C_8H_{11}NO_3$
5,82/3,83

SIGNAL-LIGAND → W_R = 2,96/1,95

All of the above Compounds & Chemicals Spectrum have been Tested and Classified by the Electronic Program.

CHEMICAL STRUCTURES OF NEUROTRANSMITTERS



	W_R	V_R	I_C	M_F
	10^{15} Hz	10^{-20} Volt	10^{-3} A	10^{-6} Tes
• Movement. 1.. C9 H13 N O3	= 5,764	+ 121,56	+ 3,50	+ 1,68
• Memory. 2.. C8 H11 N O3	= 5,821	+ 122,77	- 3,57	- 1,81
• Pleasurable reward and motivation. 3.. C8 H11 N O2	= 7,062	- 148,93	- 5,26	- 2,02
• Behavior and cognition. 4.. C10 H12 N2 O	= 6,652	- 140,29	- 4,67	- 1,69
• Attention. 5.. C4 H9 N O2	= 4,841	- 102,09	- 2,47	- 2,44
• Sleep and arousal. 6 ..C7 H16 N O2	= 5,949	- 125,47	- 3,73	- 1,95
• Mood. 7.. C5 H9 N O4	= 3,767	- 79,44	- 1,50	- 1,80
• Learning. 8.. C77 H120 N18 O16 S	= 28,341	- 597,74	- 8,47	- 0,80
• Lactation. $[C_{43}H_{66}N_{12}O_{12}S_2] + [C_8H_{11}NO_2]$	= 20,365	- 429,51	- 4,37	- 1,23
	= 7,062	- 148,93	- 5,26	- 2,02

FOODS TO AVOID

Junk Food and **Sugar** can Trigger the release of excess Dopamine and other Hormones like Serotonin. However, this is not the best way to Boost Dopamine because it gives you a euphoric feeling and makes you want to repeat the Experience. Most versions of the Dopamine Diet recommend avoiding-**Alcohol** , Caffeine, **Processed Sugars**, **Saturated fat**, and **Starchy Carbohydrates** .

Choline, which is converted into Acetylcholine, is found in many foods, including:

- Beef liver. Eggs. Beef top round.
- **Roasted Soybeans, Canned Kidney Beans.** **Roasted chicken Breast** Cod.
- **Cooked Quinoa** .
- **Cooked Shiitake Mushrooms, Boiled Broccoli and Brussels Sprouts**.

Local - Anesthesia Proteins for Neuroscience

Lidocaine | C14 H22 N2 O | CID 3676 – PubChem = 6,28.10^15Hz – 4,13 eV ,

Procaine | C13 H20 N2 O2 | CID 4914 – PubChem= = 6,07.10^15Hz – 3,99 eV ,

Bupivacaine hydrochloride | C18 H29 Cl N2 O | CID 64737= 20,66.10^15Hz – 13,60 eV

NEYROTRANSMITTER FOR MEMORY = [C8 H11 N O3]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	5.821093 x 10^{15} Hz
Energy	=	Q_0	=	6.1386 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	1.71789037 x 10^{-16} Farad/s
Current	=	I_C	=	3.57 x 10^{-3} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	2.9511 x 10^{-13} Farad
Resonance-Voltage	=	V_R	=	2.08010483 x 10^{-6} Volt
Voltage across Inductor	=	V_L	=	3.5733 x 10^{-22} eV
Power of LC-System	=	P_{CL}	=	1.2769 x 10^{-24} Watt
Maximum Flowing Current	=	I_{max}	=	3.57 x 10^{-3} Ampere
Capacity Discharged Period	=	T_s	=	2.6984 x 10^{-16} s
Radiation - Thermal	=	T_K	=	8.99 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.741455 x 10^{-10} m

Natural-Rubber = [H3CC,CH2,CH,CH2]+H-T,Signal+Membrance Protein +Agents C,P+Mem-Plasma // +++ \\ 11.THE NEEDED - MEMORY Neurotransmitter IN BRAIN = 88. [C8 H11 N O3]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	1024.38659 x 10^{15} Hz
Energy	=	Q_0	=	1.0802 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	9.76193958 x 10^{-19} Farad/s
Current	=	I_C	=	1.11 x 10^{2} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	9.5295 x 10^{-18} Farad
Resonance-Voltage	=	V_R	=	1.13 x 10^{1} Volt
Voltage across Inductor	=	V_L	=	1.1066 x 10^{-17} eV
Power of LC-System	=	P_{CL}	=	1.2246 x 10^{-15} Watt
Maximum Flowing Current	=	I_{max}	=	1.11 x 10^{2} Ampere
Capacity Discharged Period	=	T_s	=	1.5334 x 10^{-18} s
Radiation - Thermal	=	T_K	=	1.58 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	8.271295 x 10^{-10} m

RILUZOLE MECHAICAL COUPLING = 6570.[C85 F3 N2 O5]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	411.001662 x 10^{15} Hz
Energy	=	Q_0	=	4.3342 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.43308018 x 10^{-18} Farad/s
Current	=	I_C	=	1.78 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	5.9198 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	7.32 x 10^{-1} Volt
Voltage across Inductor	=	V_L	=	1.7813 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	3.1733 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	1.78 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	3.8218 x 10^{-18} s
Radiation - Thermal	=	T_K	=	6.35 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	62.427783 x 10^{-10} m

RILUZOLE MECHANICAL COUPLING - [C85 F3 N2 O5]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	32.950699 x 10^{15} Hz
Energy	=	Q_0	=	3.4748 x 10^{-18} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.03483695 x 10^{-17} Farad/s
Current	=	I_C	=	1.14 x 10^{-1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	9.2102 x 10^{-15} Farad
Resonance-Voltage	=	V_R	=	3.77 x 10^{-4} Volt
Voltage across Inductor	=	V_L	=	1.1449 x 10^{-20} eV
Power of LC-System	=	P_{CL}	=	1.3109 x 10^{-21} Watt
Maximum Flowing Current	=	I_{max}	=	1.14 x 10^{-1} Ampere
Capacity Discharged Period	=	T_s	=	4.7671 x 10^{-17} s
Radiation - Thermal	=	T_K	=	5.09 x 10^{2} Kelvin
Radius In Cleft	=	r_{LC}	=	3.33316 x 10^{-10} m

C-[ALS]= Amyotrophic Lateral Sclerosis [PD]

Parkinson's Disease - 6 Common Signs and Symptoms

Parkinson's disease , primarily affects nerve cells within the Basal Ganglia, a Brain region crucial for controlling movement, leading to a significant reduction in the Neurotransmitter Dopamine. Cerebellum is the lobe for GABA and Glutamate , while the basal ganglia is the **main area**, the disease can also involve other brain regions, including the Brainstem, **Limbic system** , and Frontal Lobes, which can explain non-movement symptoms like Fatigue, Depression, and cognitive issues. The chemical construction of the Basal Ganglia involves diverse neurotransmitters, including excitatory glutamate and inhibitory GABA,= Vitamin B6 | C8 H10 N O5 P-2 | CID 104817 , along with neuropeptides like Enkephalin and Dopamine = [C8 H11 N O2], L eucine enkephalin | C28H37N5O7 | CID 461776 ,

which are selectively distributed to different nuclei and pathways to regulate movement and other functions. This intricate neurochemical architecture allows the Basal ganglia to perform its role in motor control, with disruptions in these chemical pathways leading to movement disorders like Parkinson's and Huntington's disease

Limbic system **, What is the Amygdala made of?**

Your brain tissue, including the amygdala, consists mainly of:

- **Neurons**: These cells send and relay electrical and chemical signals throughout your brain and nervous system.
- **Glial cells**: These include several types of cells that are like caretakers for the neurons. They do maintenance and other critical support tasks on and around the neurons.

Neurons bundle together into fibers. Those fibers bundle together to form nuclei. Your amygdala consists of 13 nuclei in total.

glutamic acid Neurotransmitter = **($C_5 H_9 N O_4$).** In biological systems, this charged form, is **$C_5H_8NO_4^-$,** serves as a major Excitatory Neurotransmitter, while monosodium glutamate (MSG) ($C_5H_8NNaO_4$)

The Prefrontal Lobe , Cortex = [C8 H11 N O2]

The GABA<0xC2><0xAD>A -Receptor is a pentameric ion channel on the Postsynaptic cell membrane that, upon binding the neurotransmitter GABA, allows chloride (Cl−) and some bicarbonate (HCO3−) ions to pass through, causing neuronal inhibition. [**Cl H C O3**] 5

Mediator (coactivator) **Cytokines =** [HNH -NHN] n = 3

Formaldehyde, an aldehyde with formula **[$H_2C=O$]**, is a chemical used in construction materials and industrial resins. In the brain, it is a known neurotoxin that damages cells by reacting with DNA, RNA, and proteins, potentially leading to symptoms like headaches, depression, memory loss, and neurodegenerative diseases in high or long-term exposures

Acritine = [**C13 H9 N O2**] ,Acitretin is a synthetic retinoid that binds to retinoid receptors in the brain, which are found in areas associated with depression and cognition. They are found in key brain regions like the Amygdala and Hippocampus and play critical roles in

preventing Neurodegeneration, such as in **Alzheimer's disease**, and may have therapeutic potential for psychiatric disorders. Sulfur dioxide (SO_2) acts as a systemic toxin, causing Neuroinflammation, oxidative stress. **Paraquat**= [$C_{12}H_{14}N_2Cl_2$] , It generates reactive oxygen species (ROS) and causes damage to Dopaminergic neurons—the Brain cells primarily affected in PD. Acetylcholine (ACh) = [**C7 H16 N O2**] is synthesized from acetyl coenzyme A and choline, and when a motor Neuron **stimulates a muscle**, ACh is released into the neuromuscular junction. It binds to nicotinic receptors on the muscle membrane, opening sodium channels and causing sodium ions to flood the cell.

In a fish and meat Roasting kitchen, potential risks of mercury exposure **Methylmercury** = (CH_3Hg^+) occur, which is a known Neurotoxin that can lead to Parkinson's-like symptoms and Dopamine neuron degeneration. For individuals with Parkinson's, a primary issue is low brain dopamine, but protein-rich diets may interfere with the absorption of levodopa, the main Parkinson's medication, while mercury from contaminated seafood can exacerbate neurodegeneration & **Dopamine Depletion**. Phenanthrenedione | C14 H8 O2 | CID 6763

Extended Amygdala :

The extended Amygdala, a Brain region involved in stress and emotional responses, is characterized by a complex interplay of Neurotransmitters and Receptors. Key components include the bed nucleus of the stria terminalis (BNST), the central nucleus of the Amygdala (CeA), and the nucleus Accumbens shell .These regions are rich in various Neurotransmitters like , GABA = [**C4 H9 N O2**] **Glutamate** = [C5 H7 N O4], **Dopamine** = [C8 H11 N O2] , **and Serotonin** = [C10 H12 N2 O], **as well as Neuro- peptides** = [H2 N–ONO-N H] such as corticotropin-releasing factor CRFand substance.

The Prefrontal cortex (PFC) doesn't have a chemical structure in the same way that molecules do. Instead, it's a region of the Brain composed of neurons,glial cells&various chemical messengers (neurotransmitters) that allow it to function. The PFC's structure & the interplay of these chemicals determine its role in higher-level cognitive functions .

The Cerebellum's chemical construction involves several types of chemical compounds and neurotransmitters, with a focus on glutamate and GABA. It contains glutamatergic excitatory neurons that use glutamate and aspartate, and GABAergic inhibitory neurons that use the neurotransmitter GABA . Cannabinoids are also involved, modulating neurotransmitter release to aid in motor learning. DRUGS for PARKINSON's disease aim to increase Dopamine levels or mimic its effects in the brain,using medications like Levodopa | C9H11NO4 | CID 6047

(often with carbidopa = [C10 H14 N2 O4•H2O] , or benserazide), Benserazide | C10 H15 N3 O5 | CID 2327 dopamine agonists (pramipexole = Pramipexole | C10H17N3S | CID 119570 - PubChem Ropinirole = Ropinirole | C16H24N2O | CID 5095 Rotigotine = Rotigotine | C19H25NOS | CID 59227 – PubChem and MAO-B inhibitors(like selegiline = (+-)-Selegiline|C13 H17 N|CID 5195 } Other options include COMT inhibitors to extend levodopa's [C9 H11 N O4]n effects, anticholinergics to address tremors, and newer drugs like continuous infusions for advanced Parkinson's. continuous fos levodopa/foscarbidopa infusion (Produodopa) and the long-acting oral formulation IPX203,

Parkinson Disease in Patients with Early-Onset Gait Freezing



Freezing of Gait **(FOG)** is a characteristic Gait disturbance defined as a "Brief, Episodic Absence, or marked Reduction of forward Progression of the Feet despite the Intention to Walk" [1]. The Prevalence of FOG in Parkinson's disease (PD) correlates with disease duration, reportedly being 6% in the first year, 40% within 10 years, and ~80% within 20 years of disease onset [2, 3]. Furthermore, the relative risk of FOG in PD is higher in Patients with Disease onset at age ≥70 years [4]. FOG is an important symptom because it can impair activities of daily Living (ADLs) and the health-related quality of life of patients with PD. However, its mechanism is largely unknown [5, 6]. Earlier studies Reported a close Correlation between the **FOG** onset and the **Left-sided disease Onset**, severity of **Motor Symptoms**, especially **Axial Symptoms**, and severity of **Non Motor Symptoms,** such as Cognitive Impairment, **Mood** disorders, Sleep disturbance, and Autonomic failure, although definitive Consensus has not been attained [1, 7, 8]. While many studies have investigated the FOG in PD, few focused on FOG in an early-stage PD. As it is currently unclear whether FOG Pathology differs depending on the stage of PD, knowing the as sociation between FOG and the PD sta ge is important in understanding the mechanism of FOG.

Parkinson's Disease is a Neurodegenerative disease caused by the Death of Neurons, ie, cells Dopamine is a brain hormone that acts as a neurotransmitter. It is produced in the brain in an area called the Substantia Nigral . It is also produced in other parts of the Brain such as the Ventral Tegmental area and Hypothalamus . $C_8H_{11}NO_2$ =

11,33 – 5,55 , *is the Chemical Formula of Receptors and types*

Dopamine is a chemical, which is also a Brain Hormone. It transmits Signals within the Brain. Some Brain cells Produce it and then Secrete it to bind to the target and Exert its effects [19]. Dopamine functions through five different Receptors. These Receptors act as a lock and **DP is the Key to these Receptors**. Dopamine is released from one cell and binds to other cells through these Receptors [20] Hence, Dopamine Transmits a Signal from one Neuron to another Neuron and is important **Neurotransmitter** in brain. **Acetylcholine is a Neurotransmitter that plays a role in Memory, Learning , Attention , Arousal and , Involuntary - Muscle – Movement .**

Dopamine -1 = | C8 H11 N O2 | CID 681 = **7,06 - 4,65.eV**

Dopamine Hydrochloride | C8 H12Cl NO2,CID65340 = **14,27 - 9,39.eV**

CHEBI:18243 – Dopamine = ***C56H78N2O16=20,08- 13,22.eV***

CHEBI:71226 = C80 H1 06= C12N11O27P = 4,84 - 3,19.eV

Adrenaline = C9 H13 N1 O3 = 5,76.10^15Hz – 3,79.eV

Noradrenaline = C8 H11 N1 O3 = 5,82.10^15Hz – 3,83.eV

Dopamine = C8 H11 N1 O2 = 7,06.10^15Hz – 4,65.eV

Cerotonin = C10 H12 N2 O = 6,65.10^15Hz – 4,38.eV

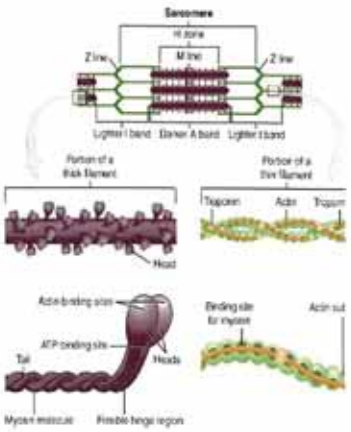
g-Amyno – Acid = C4 H9 N1 O2 = 4,84.10^15Hz – 3,19.eV

Acetylchlorine = C7 H16 N1O2 = 5,95.10^15Hz – 3,92.eV

Glutamate = C5 H9 N1 O4 = 3,76.10^15Hz – 2,48.

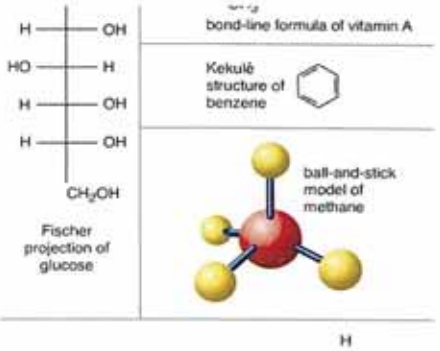
AMYOTROPHIC & MOLECULAR MOTORS PROTEIN ES

Motor Proteins are a class of molecular motors that can move along the Cytoplasm of cells.They convert chemical Energy into Mechanical work by the Hydrolysis of ATP.
Flagellar rotation, however, is powered by a Proton pump.]



Diseases associated with Motor Protein defects[edit]

The importance of Motor Proteins in cells becomes evident when they fail to fulfill their function. For example, **Kinesin**= [C10H16N5O13P3] + [P1.C10H12N5O10P3] deficiencies have been identified as the cause for Charcot-Marie-Tooth Disease and some Kidney Diseases. Dynein deficiencies can lead to Chronic Infections of the Respiratory Tract ascilia fail to function without Dynein. Numerous **Myosin** [C29 H26 N6 O3 S] deficiencies are related to Disease states and Genetic Syndromes.
Dynein = [C3H10N3O2F2S] + [C3H15N6O8S2]
Because Myosin II = [C29 H26 N6 O3 S] is essential for Muscle Contraction, defects in Muscular Myosin Predictably cause the Myopathies . Myosin is necessary in the Process of Hearing because of its role in the Growth of Stereocilia so Defects in Myosin Protein structure can lead to Usher Syndrome and Non syndromic Deafness.[1]

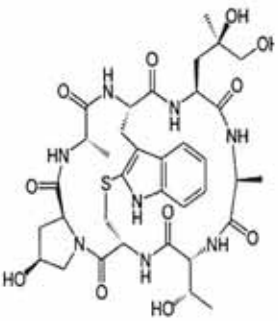


Cytoskeletal motor Proteins

Motor Proteins utilizing the Cytoskeleton for movement fall into two categories based on their substrate

Caffeine-Molecule = [C8H10N4O2]

Microfilaments or Microtubules. Actin motors such as Myosin move along microfilaments through interaction with Actin = [N8H11O11S] ,and **microtubule motors such as Dynein and Kinesin**= [C10H16N5O13P3] + [P1.C10H12N5O10P3] **move along Microtubules through interaction with Tubulin =** [C20 H21 N1 O6] = 5,53.10^15Hz – 3,64 eV
There are two basic types of microtubule motors: Plus-End motors and Minus-End motors, depending on the direction in which they "walk" along the microtubule cables within the cell. Actin = [N8H11O11S]
ATL regulates the ratio of G/F-actin.(A) Chemical structure of ATL.Molecular formula, [C 15 H 20 O 2] . Molecular weight, 232.32 g/mol. Actin →→



KINESINS are Biological Motor Proteins that are ATP-Dependent = [C10H16N5O13P3] and function to assist cells with the Transport of molecules along Microtubules as P.ADP. Simply put, these Proteins, function as Highways within cells as they allow for the transport of all sorts of cellular cargo.→ ATP = [C10H16N5O13P3] + P. ADP = [P1.C10H12N5O10P3]

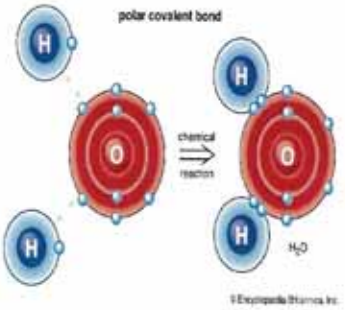
a= Myosin = [C29 H26 N6 O3 S] = 9,95.10^15Hz – 6,56 eV
b= Dynein = [C3H10N3O2F2S] + [C3H15N6O8S2] = 14,72.10^15Hz – 9,69 eV
c= Caffeine-Molecule = [C8H10N4O2] = 3,39.10^15Hz – 2,23 eV
d= Actin = [N8 H11 O11 S] = 4,07.10^15Hz – 2,68 eV
e= ATP = [C10 H16 N5 O13 P3] = 6,85.10^15Hz – 4,51 eV
f= Kinesin = [C10H16N5O13P3] + [PC10H12N5O10P3] =6,85.10^15Hz – 4,51 eV
g= Tubulin = [C20 H21 N1 O6] = 5,53.10^15Hz – 3,64 eV

Myosin[edit]

Myosins are a Superfamily of Actin Motor-Proteins that convert Chemical Energy in the form of ATP to Mechanical Energy, thus generating Force and Movement. The first identified Myosin = [C29 H26 N6 O3 S] , myosin II, is responsible for generating Muscle Contraction. Myosin II is an elongated Protein that is formed from two heavy chains with motor heads and two lightchains Each Myosin head contains Actin = [N8H11O11S] and ATP = [C10H16N5O13P3] binding site.The myosin heads bind and hydrolyze ATP, which Provides the Energy to Walk toward the plus end of an Actin filament. Myosin II are also vital in the Process of cell division. **For example**, *Non-Muscle Myosin II bipolar thick filaments Provide the Force of Contraction needed to divide the Cell into two daughter cells during Cytokinesis. In addition to Myosin II, many other Myosin types are responsible for variety of movement of Non-Muscle cells.* **For example**, Myosin is involved in intracellular organization and the Protrusion of actin-rich structures at the cell surface. Myosin V is involved in Vesicle and organelle Transport.[2][3] Myosin XI is involved in cytoplasmic streaming, wherein movement along microfilament networks in the cell allows organelles and cytoplasm to stream in a particular direction.[4] Eighteen different classes of myosins are known.[5]

Myosin = [C29 H26 N6 O3 S] Water-Molecule = [H2O1]= 1,64.10^15Hz – 1,07 eV

Dynein[edit]



Dyneins are microtubule Motors capable of a **Retrograde** sliding movement. Dynein complexes are much larger and more complex than kinesin and myosin motors. Dyneins are composed of two or three heavy chains and a large and variable number of associated light chains. Dyneins drive intracellular transport toward the minus end of microtubules which lies in the microtubule organizing center near the Nucleus.[9] The Dynein family has two major branches. Axonemal Dyneins facilitate the Beating of Cilia and Flagella by rapid and efficient sliding movements of microtubules. Another Branch is Cytoplasmic Dyneins which facilitate the Transport of intracellular cargos. Compared to 15 types of axonemal Dynein, only two Cytoplasmic forms are known.[10]

Dynein = [C3N3O2SH10F2] + [C3N3O2SH10F2 = 14,72.10^15Hz – 9,69 eV

Intrinsic Voltage Sensing[edit]

In this model of Intrinsic Voltage-Sensing, the movement of ions generates a Nonlinear Capacitance (NLC). Prestin = {SLC 26} = 2,34.10^15Hz – 1,75 eV

Main article : *Molecular Motors*

Besides the Motor Proteins above, there are many more types of Proteins capable of generating Forces and Torque in the cell. Many of these molecular Motors are ubiquitous in both Prokaryotic and Eukaryotic cells, although some, such as those involved with Cytoskeletal elements or Chromatin, are unique to eukaryotes. The Motor Protein Prestin,[14] expressed in Mammalian-Cochlear outer hair cells, produces Mechanical-Amplification in the cochlea. It is a Direct Voltage-to-Force Converter,which operates at the microsecond rate and possesses Piezoelectric Properties.

THE ACTION PROCESS :

INITIAL STATE = [Kinesin + Myosin +Tubulin] >>> [SOMA - AXON – DENDRITE]

FINAL STATE = [KI-MY-TU] → [SARM1 + NMNAT2] + [SOMA- AXON – DENDRITE]

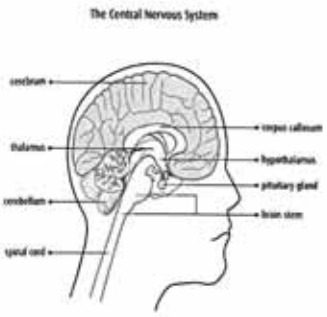
THE ACTIONS = [KI-MY-TU]+[Dopamine + Oxytocin] → [SARM1 + NMNAT2] + [AXON]

= [KI-MY-TU]+[Dopamine + Oxytocin + AMP] → [SARM1+NMNAT2] +[AXON]

= INJURE = [KI-MY-TU] + [Dopamine + Oxytocin + AMP] → [AXON]

DEMODULATION → DRUGS → ANTIDOTES

Parts of the Brain Involved with Memory,{ Aphasia }



Change that's good for the Brain

The Process of Learning something has an effect on the Brain similar to the one exercizing has on the Muscles. If we make them move, they increase in size and become stronger. The same thing happens to the Brain. By Putting it to work, we're making it alter its Structure, while at the same time improving certain functions. Because language learning is such a complex Process, the Brain regions involved in it are enhanced. This is reflected in an increase of White and Gray matter (that contains most of the Brain's Neurons and Synapses) in said regions.

Melatonin released in the Brain at night Controls the **Sleep–Wake cycle in cycle Vertebrates**. The Prefrontal Cortex (PFC) **IT IS the Part of the Neocortex that sits at the very front of the Brain. It is the most recent addition to the mammalian Brain, and is involved in many complex Cognitive functions. Human Neuroimaging studies using (MRI) machines show that when People Perform tasks requiring them to hold Information in their Short-Term Memory, such as the location of a flash of light, the PFC becomes active. There also seems to be a functional separation between Left and Right sides of the PFC: the Left is more involved in Verbal working memory while the right is more Active in spatial working memory, such as Remembering where the Flash of light occurred.**

In Humans, the Cerebellum [AR] = [C O F N3 H2], Plays an important Role in Motor Control.

Acetylcholine (ACh)= [C7 H16 Cl N O2] =12,14.10^15Hz — 7,98.eV

What is Aphasia? It's a Symptom of Damage to the Parts of the Brain that control Language.

Types of Signal Transducing Messengers

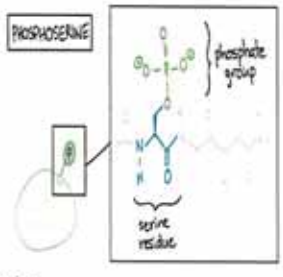
1. **First Messengers** •Agonists(i.e. **H**ormones, **N**eurotransmitters, **P**harmacological Agonists)
2. **Second Messengers** • Molecules that Transmit Signals Received at Receptors (i.e., cAMP, cGMP, DNA Binding, ions)
3. **Third Messengers** • (i.e., Ions, Protein kinases)

1=Hormones ,N,P→Cholesterol = [C27OH46],Testosterol = [C2 O2 H7] ,Estadiol = [C1 O2 H5]

Melatonin = [C2 O2 N2 H8] , Serotonin = [C10 O1 N2 H12] ,Amino Acid = [C3 O3 N2 H8] , Dopamine = [C8 O2 N1 H11] ,Isoptoterenol = [C11 H17 N1 O3] ,Phenyleprine = [C9h13 N O2]

2=Molecules cAMP=**AMP** = [C10 H14 N5 O7 P] , **GMP** = [N5 O7 H5 P] ,
DNA-Ions = [C15 H31 N3 O13 P2]

C:\Users\Markos\AppData\Local\Temp\acrobat_sbx\PDFMakerCreatePDF\Deoxyribonucleic acid | C15H31N3O13P2 | CID 44135672National Institutes of Health (.gov)https:\pubchem.ncbi.nlm.nih.gov › compound › Deox



First Messengers are extracellular signaling molecules such as Hormones or Neurotransmitters that bind to cell-surface Receptors and activate intracellular signaling Pathways. Since these molecules cannot Physically cross the Cell-membrane, they Rely on Second Messengers to Propagate and Amplify the Signal within the cell. **Second Messengers** are non-Protein intracellular signaling molecules that Relay extracellular signals received at Receptors to target molecules within the Cytosol. Common Second messengers include Calcium, Cyclic **AMP** = [C10 H14 N5 O7 P] , cyclic **GMP** = [N5 O7 H5 P] , inositol Trisphosphate (IP_3) and Diacylglycerol (DAG). [**DAG**]= P.[N4O4H4 +PO4]

CYTOSOL – Protein = [C8 H10 N6 O4] [IP] = Ibuprofen | C13 H18 O2 | CID 3672

Deoxyribonucleic Acid = | C15H31N3O13P2 | CID 44135672

APHASIA ACTION - PROCESS :

INITIAL STATE = [ACh+ AR] + + [SOMA - AXON – DENDRITE]

FINAL STATE = MELATONIN → [SARM1 + NMNAT2] + [SOMA- AXON – DENDRITE]

THE BRAIN - ACTIONS = ANY - ACTION →

1-RECEPTORS have a prominent role in brain function, as they are the **effector sites of neurotransmission at the postsynaptic membrane,** have a regulatory role on presynaptic sites for transmitter reuptake and feedback, and are modulating various functions on the cell membrane. **Role of the , Sigma-1 receptor, in 2-AMYOTROPHIC Lateral Sclerosis (ALS)** Product page for receptor antagonist 1,CAS number 1639220-19-1, Molecular Formula Sigma-1 = [C19 H23 Cl2 N3 O] Key Organics Limited – a Leading Provider of Chemistry ...

Of all the Neurotransmitters in the Brain, Dopamine = [C8 H11 N O2] is the one most associated with pleasure. And with good reason – everything that makes you feel good is down to this key neurotransmitter and the effect it has on the brain. Dopamine = [C8 H11 N O2]

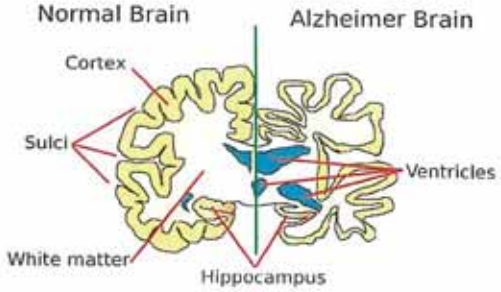
Drugs such as Cocaine = [C17 H21 N O4] -- [C17 H22 Cl N O4] and Amphetamines = [C9 H13 N] lead to a Sharp, temporary rise in Dopamine within the Brain.

One of the most common blockers of the Muscarinic = [C9 H20 N O2] receptors is Atropine = [C17 H21 N O4], a natural compound found in certain plants, such as deadly nightshade or Mandrake = [C17 H23 N O3]

A lack of Serotonin = [C10 H12 N2 O] in the Brain is associated with Depression, which is why drugs called SSRIs (selective serotonin re-uptake inhibitors) such as fluoxetine (Prozac), are commonly prescribed to help treat depression. Such drugs cause an increase in the overall levels of Serotonin in the Brain leading, in many cases, to diminished symptoms.

3- Alzheimer's disease is the most common type of dementia. It is a progressive disease beginning with mild memory loss and possibly leading to loss of the ability to carry on a conversation and respond to the environment. Alzheimer's disease involves parts of the brain that control thought, memory, and language.

In Neuroanatomy, the Ventricular System is a set of four interconnected Cavities known as cerebral ventricles in the brain.[1][2] Within each Ventricle is a Region of Choroid Plexus which produces the circulating Cerebrospinal fluid (CSF). The ventricular system is continuous with the central canal of the spinal cord from the fourth ventricle,[3] allowing for the flow of CSF to circulate . (CSF) = [Cs F]



b-Amyloid-Protein = [$C_{203}H_{311}N_{55}O_{60}S$] = 44,55.10^15 Hz – 29,32 eV .....

Melatonin = [$C_{13}H_{16}N_2O_2$] = 4,74.10^15 Hz – 3,12 eV .....

Protein Kinase = [P.K] = [$N_3O_2Cl_2H_2 + N_4H_2FO_2 + N_5O_3H_5 + N_4H_3$] = 28,51.10^15 Hz – 18,76 eV

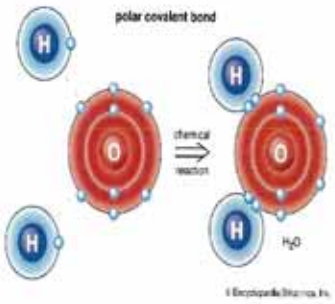
The Mechanical Analogous of Muscles-Nerves.

Myosin[edit]

Myosins are a Superfamily of Actin Motor-Proteins that convert Chemical Energy in the form of ATP to Mechanical Energy, thus generating Force and Movement. The first identified Myosin = [C29 H26 N6 O3 S] , myosin II, is responsible for generating Muscle Contraction. Myosin II is an elongated Protein that is formed from two heavy chains with motor heads and two lightchains Each Myosin head contains Actin = [**N8H11O11S**] and ATP = [**C10H16N5O13P3**] binding site.The myosin heads bind and hydrolyze ATP, which Provides the Energy to Walk toward the plus end of an Actin filament. Myosin II are also vital in the Process of cell division. **For example**, *Non-Muscle Myosin II bipolar thick filaments Provide the Force of Contraction needed to divide the Cell into two daughter cells during Cytokinesis. In addition to Myosin II, many other Myosin types are responsible for variety of movement of Non-Muscle cells.* **For example**, Myosin is involved in intracellular organization and the Protrusion of actin-rich structures at the cell surface. Myosin V is involved in Vesicle and organelle Transport.[2][3] Myosin XI is involved in cytoplasmic streaming, wherein movement along microfilament networks in the cell allows organelles and cytoplasm to stream in a particular direction.[4] Eighteen different classes of myosins are known.[5]
Myosin = [C29 H26 N6 O3 S] Water-Molecule = [**H2O1**]= 1,64.10^15Hz – 1,07 eV

Dynein[edit]

Dyneins are microtubule Motors capable of a **Retrograde** sliding movement. Dynein complexes are much larger and more complex than kinesin and myosin motors. Dyneins are composed of two or three heavy chains and a large and variable number of associated light chains. Dyneins drive intracellular transport toward the minus end of microtubules which lies in the microtubule organizing center near the Nucleus.[9] The Dynein family has two major branches. Axonemal Dyneins facilitate the Beating of Cilia and Flagella by rapid and efficient sliding movements of microtubules. Another Branch is Cytoplasmic Dyneins which facilitate the Transport of intracellular cargos. Compared to 15 types of axonemal Dynein, only two Cytoplasmic forms are known.[10]



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DEMODULATION → DRUGS → ANTIDOTES

PARKINSON Disease : [PD]

The Antidotes for [PD]-Disease are Detected from the Demodulation Of the MODULATED – WAVE as in [1-8]

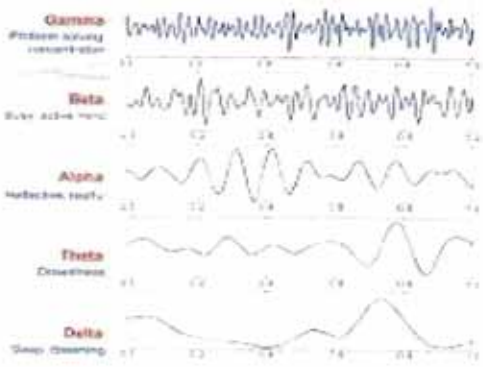
TYPE OF **CELL : The Appropriate Dose of Antidote —Effective &Total Action ,**

From [PD] - WEFFECT = N.10^15 Hz --- WANTIDOTE = N.10^15 Hz ,

Disease		Drug	Prober – Dose	Effectiveness	Action
THE BRAIN	I	Carbidopa =	6274.[C10H14N2O4]	—543,991	----3124,960 . 10^15 Hz
FRONTIER ++	I	Benserazide =	5782.[C10H15N3O5]	—401,906	----3124,913 .
GREY - MATTER	I	Lavodopa =	5924.[C9H11NO4]	—395,471	----3130,346 .
&	I	Pramipexole =	6080.[C10H17N3 S]	—479,641	----3123,123 .
CEREBELLUM	I	Ropinirole =	4925.[C16H24N2O]	—441,056	----3124,518 .
	I	Rotigotine =	1783.[C19H25NO5]	—446,223	----3121,938 .
	I	Selegiline =	4134.[C13 H17 N]	—516,184	----3125,330 .
	[	The Two Compounds have been detected from the PROGRAM			
Needs 3123,932	I	NEW – AP,1 =	257,0.[C168H227N114O248P16]	– 588,932	---3124,264
10^15 Hz	I	NEW – AP,2 =	197,5. [C253H365N114O183S22]	– 502,724	---3124,767

For the 7-Antidotes (Drugs) is written the Appropriate Dose of the Antidote their Carrier Frequency and the Resonance Demodulated frequency .

The Difference between [B]= **Brain- waves** and [EM] = **Electromagnetic waves** does Not exists in reality ,**Because the Brain Does Not Emit Waves.**



Brainwaves are a measurement of how fast Neurons are firing. Neurons fire in large groups in rapid Pulses , and these Pulses create an Energy wave across the Neocortex that can be measured in terms of Voltage , for NEW-AP.2 has been measured as 73,856233 Watt , **NOT with very fine** tuned electrodes placed against the skull , **But by measuring from Program** .

These waves are not emitted by the Brain ,they are Voltage artifacts created by the Brain activity .The human Body emits radiant Heat (Photons ans Electromagnetic Waves) in the infrared - range , which is roughly , 700 nm - 1mm in wavelength , and which corresponds to a frequency of , 3.10^{15} Hz to 3.10^{11} Hz , and verifies the NEW-AP.2 which occupies the circular-frequency WANTIDOTE = **N.AP2.** = $73,856233.10^{15}$ Hz which is on order 10^{15} Hz and NOT on order . $0,5.10^{9}$ Hz till $30 .10^{9}$ Hz of the [**EEG**] method .

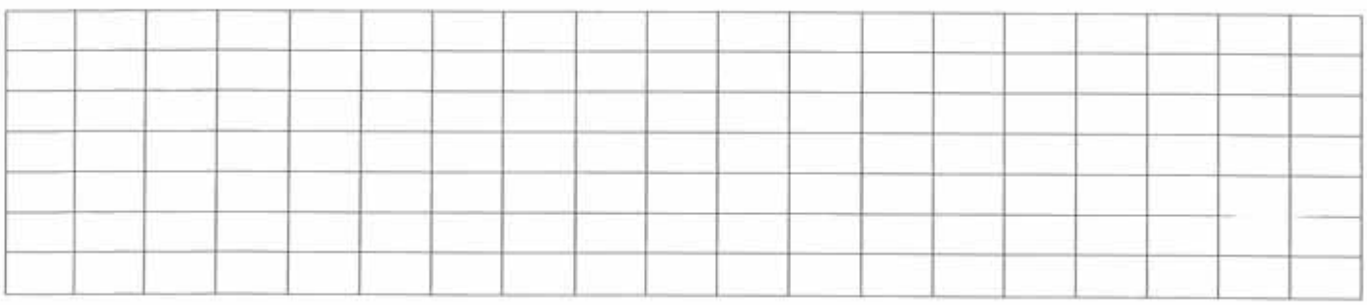
Since the frequencies fluctuate and are , on the order of 10^15 Hz , the EEG - method should be ORIENTED differently in drawing Conclusions , Because ,.there is NO Doubt about the correctness of the Way for calculating the frequency from the Wavelength measured..

Antidote - Action

The Antidote	DRUG Anti-Parkinson NEW-AP2 = 197,5.[C253 H365 N114 O183 S22] : $C_{49957}H_{72073}N_{22510}O_{36135}P_{4344}$
Final Compound	PARKINSON = [cAMP] +[IP3] +[CSD] +[ACh] +[MM] +[Phena/one] +[NF] : $P_{10}P_3SCl_2N_{50}N_2HgH_{100}H_{32}H_{15}H_{10}H_8H_3C_{100}C_{14}C_{14}C_6C_5CCO_{70}O_{15}O_5O_5O_4O_2O_2O_2$

Needed W	=			3123.93200775 x 10^{15} Hz
Needed E	=			2056.1637699016 eV
Circular - Frequency	=	W_{RAN}	=	3124.76684027 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	2056.724109229328 eV
Frequency - Antidote	=	f_{ANT}	=	497.336756369 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	1.428731 x 10^5 m/s
Resultant - λ	=	λ_{RANT}	=	0.0028727635 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0004572145 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	-4.21138 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	32175434.10341 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	2082.14112168891 Volt
Intensity - Current	=	I_C	=	1029690.717681 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	4.614 Kelvin
Modulated M-Field	=	M_{FMOD}	=	0.036555 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	0.431175 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.00032 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	0.74392443477545
Bands UL - Deviation	=	ΔW_{RES}	=	2996.0353534643 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	99.4673512738 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.360976210588167
Bands UL - Amplitude	=	A_{BUL}	=	9.1E-05 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	331307458336502 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	662614916673005 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	165653729168251 x $10^{-1°}$ Watt

The Demodulated FM - Waveform



Antidote - Action

The Antidote	DRUG Anti-Parkinson Lavodopa = 5924.[C9 H11 N O4] : $C_{53316}H_{65164}N_{5924}O_{23696}$
Final Compound	PARKINSON = [cAMP] +[IP3] +[CSD] +[ACh] +[MM] +[Phena/one] +[NF] : $P_{10}P_3SCl_2N_{50}N_2HgH_{100}H_{32}H_{15}H_{10}H_8H_3C_{100}C_{14}C_{14}C_6C_5CCO_{70}O_{15}O_5O_5O_4O_2O_2O_2$

Needed W	=			3123.93200775 x 10^{15} Hz
Needed E	=			2056.1637699016 eV
Circular - Frequency	=	W_{RAN}	=	3130.34677847 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	2060.3968291551605 eV
Frequency - Antidote	=	f_{ANT}	=	498.2248573091 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	1.522746 x 10^5 m/s
Resultant - λ	=	λ_{RANT}	=	0.0030563431 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0004864321 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	-4.21138 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	32348110.40435 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	2085.85922911601 Volt
Intensity - Current	=	I_C	=	1033371.46628 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	7.219 Kelvin
Modulated M-Field	=	M_{FMOD}	=	0.036555 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	0.500985 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.000319 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	0.672821197090034
Bands UL - Deviation	=	ΔW_{RES}	=	3001.615291671 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	124.5562143273 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.362115289901066
Bands UL - Amplitude	=	A_{BUL}	=	0.000122 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	334276142799234 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	668552285598468 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	167138071399617 x $10^{-1°}$ Watt

The Demodulated FM - Waveform

**PARKINSON = [cAMP] +[IP3] +[CSD] +[ACh] +[MM] +[Phena/one] +[NF] // +++ **
DRUG Anti-Parkinson Lavodopa = 5924.[C9 H11 N O4]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	3130.346778 x 10^{15} Hz
Energy	=	Q_0	=	3.3011 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.19453425 x 10^{-19} Farad/s
Current	=	I_C	=	1.03 x 10^{3} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.0205 x 10^{-18} Farad
Resonance-Voltage	=	V_R	=	3.23 x 10^{2} Volt
Voltage across Inductor	=	V_L	=	1.0333 x 10^{-16} eV
Power of LC-System	=	P_{CL}	=	1.0678 x 10^{-13} Watt
Maximum Flowing Current	=	I_{max}	=	1.03 x 10^{3} Ampere
Capacity Discharged Period	=	T_s	=	5.0179 x 10^{-19} s
Radiation - Thermal	=	T_K	=	4.83 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	33.20928 x 10^{-10} m

**PARKINSON = [cAMP] +[IP3] +[CSD] +[ACh] +[MM] +[Phena/one] +[NF] // +++ **
DRUG Anti-Parkinson NEW-AP2 = 197,5.[C253 H365 N114 O183 S22]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	3124.76684 x 10^{15} Hz
Energy	=	Q_0	=	3.2952 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.20023877 x 10^{-19} Farad/s
Current	=	I_C	=	1.03 x 10^{3} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.0241 x 10^{-18} Farad
Resonance-Voltage	=	V_R	=	3.22 x 10^{2} Volt
Voltage across Inductor	=	V_L	=	1.0296 x 10^{-16} eV
Power of LC-System	=	P_{CL}	=	1.0602 x 10^{-13} Watt
Maximum Flowing Current	=	I_{max}	=	1.03 x 10^{3} Ampere
Capacity Discharged Period	=	T_s	=	5.0269 x 10^{-19} s
Radiation - Thermal	=	T_K	=	4.83 x 10^{4} Kelvin
Radius In Cleft	=	r_{LC}	=	37.625469 x 10^{-10} m

Top 5 Best Memory Supplements **for Alzheimer's Disease**

The best drugs for Alzheimer's disease depend on the stage of the disease and are typically divided into two main classes: cholinesterase inhibitors (like Donepezil , Galantamine, and Rivastigmine) for early to moderate stages, and memantine for moderate to severe stages. Cholinesterase inhibitors boost a brain chemical that helps Nerve cells communicate, while Memantine works by regulating the effects of Glutamate. Other medications may be prescribed to manage symptoms like Depression, Agitation, or sleep Problems.

Donepezil = Donepezil | C24 H29 N O3 | CID 3152

Galantamine = (-)-Galantamine | C17 H21 N O3 | CID 9651

Rivastigmine = Rivastigmine | C14 H22 N2 O2 | CID 77991

Memantine = Memantine | C12 H21 N | CID 4054 - PubChem

Risperidone = Risperidone | C23 H27 F N4 O2 | CID 5073

1.. **Alpha GPC =** Choline Alfoscerate | C8 H20 N O6 P | CID 657272

2.. Lecanemab = $C_{6544}H_{10088}N_{1744}O_{2032}S_{46}$

3.. Nusinersen = $C_{234}H_{323}N_{61}Na_{17}O_{128}P_{17}S_{17}$

4.. Spinraza= Spinraza | C234H340N61O128P17S17 | CID 131801471

Huperzine A = Huperzine A | C15 H18 N2 O | CID 854026

Ginkgo Biloba = R1 = H (OH)4 , R2 = H2 (OH)3 , R3 = H2 (OH)3 +++++

Ginkgo-Biloba =

H(OH)4 + H3C OO (OH3)H2OOOOO + (OH) H2 (OH)3+ C (CH3)3

The chemical composition of raw olive oil is primarily triacylglycerols,

Triacylglycerol(63:9) | C66H110O6 | CID 131762421

which are composed mainly of Oleic Acid | C18H34O2 | CID 445639,

Structural formula: $CH_3(CH_2)_7CH=CH(CH_2)_7COOH$

and smaller amounts of other fatty acids like Linoleic Acid | C18 H32 O2 |

and Palmitic Acid | C16 H32 O2 | CID 985 It also contains minor components such as Phenol | C6 H5 O H | CID 996 , compounds ,

Tocopherols | C28 H48 O2 | CID 14986, and sterols C17 H28 O which contribute to its beneficial properties.

Plant pigment Quercetin = C15 H10 O7 . →

Reddish pigment Cyanidin = C24 H23 O14 →

Antioxidant Therapeutic Polyphenol = C30 H21 F3 O9 →

ALZHEIMER -- DRUGS & ANTIDOTES : [2]

The Antidotes for [ALS]-Disease are Detected from the Demodulation Of the MODULATED – WAVE as in C

TYPE OF **CELL : The Appropriate Dose of Antidote —Effective &Total Action ,**
From [ALS] - WEFFECT = N.10^15 Hz --- WANTIDOTE = N.10^15 Hz ,

Disease		Drug	Prober – Dose	Effectiveness	Action
		Drugs for Alzheimer-& other for Brain Treatment .			
THE BRAIN	I	Donepezil =2810.[C24 H29 N O3] —503,134	----3139,484.10^15 Hz		
CIRCUITS ++	I	Galantamine = 4070.[C17 H21 N O3]—363,830	----3125,438 .		
NETWORKS	I	Rivastigmine = 4137,4.[C14 H22 N2 O2]—489,334	----3124,188 .		
&	I	Memantine = 3933.[C12 H21 N]	—243,537 ----3128,037 .		
NEURONS	I	Risperidone = 2000.[C23 H27 F N4 O2] —532,788	----3120,990 .		
MOTORS	I	Alpha -GPC = 5982.[C8 H20 NO6 P] —389,446	----2996,687 .		
	I	*The Four Compounds have been detected from the PROGRAM*			
	[	NEW-1 Symeon =257,0.[C168 H227 N114 O248 P16]– 588,932	---3124,264		
Needs 3123,932	I	NEW-2 Symeon =197,5.[C253 H365 N114 O183 S22] – 502,724	---3124,767		
10^15 Hz	I	NEW-3 Symeon =12,63.[C5678 H6789 N789 O789]– 383,127	---3124,484		
	[	NEW-4 Symeon =167,38.[C333 H444 N124 O288 F85]–575,686	--3124,101		
	I	***Drugs for other Types , IN Brain - Hippocampus .***			
	I	Lecanemab = 10,33.[C6544 H10088 N1744 O2032 S46] —406,213	---- 3125,910. 10^15 Hz		
	I	Nusinersen = 201,52.[C234 H323 N61 Na17 O128 P17 S17]—535,849	--- 3122,959 .		
	I	Spinraza = 236,3.[C234 H340 N61 O128 P17 S17] — 598,078	---- 3125,309 .		
	I	Huperzine A = 5205.[C15 H18 N2 O] —413,526	----3124,160 .		
THE BRAIN	I	***The Three Compounds have been detected from M -PROGRAM***			
Cerebral-Cordex	[	NEW-1 Elena =317,8.[C222 H333 N44 O55 S] – 457,666	---3098,157		
Needs 3098,473	[	NEW-2 Elena =200,11.[C333 H444 O55 S6] – 454,973	---3098,517		
10^15 Hz	[	NEW-3 Elena =140,05.[C333 H444 N124 O288 F85]–515,908	---3099,361		

For the Antidotes (Drugs) is written the Appropriate Dose of the Antidote their Carrier Frequency and the Resonance Demodulated frequency . For those Detected from Program is given the Energy– Spectrum .

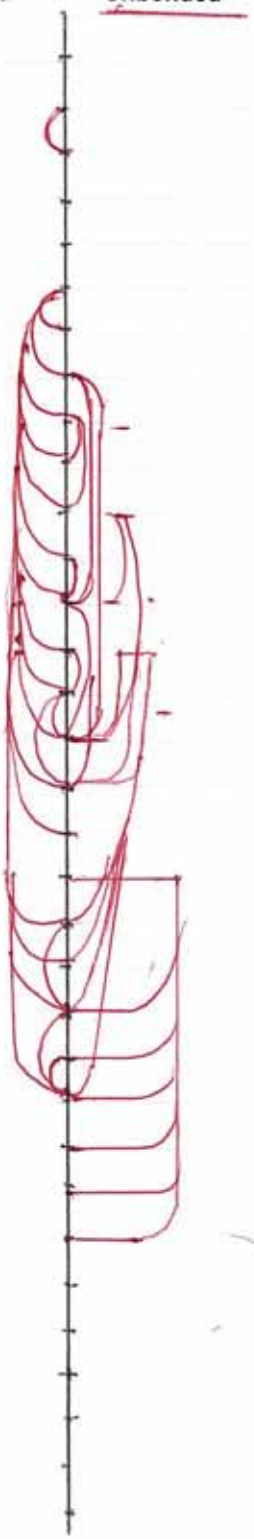
Compound

Description	PARKINSON = [cAMP] +[IP3] +[CSD] +[ACh] +[MM] +[Phena/one] +[NF] // +++ \\ CHOLINESTERASE- INHIBITOR Donepezil = 2810.[C24 H29 N O3]
Formula	$P_{10}P_3SCl_2HgC_{67440}C_{100}C_{14}C_{14}C_6C_5CCH_{81490}H_{100}H_{32}H_{15}H_{10}H_8H_3N_{2810}N_{50}N_2O_{8430}O_{70}$ $O_{15}O_5O_5O_4O_2O_2O_2$
Total Number of Elements	160653
Stiffness Factor	821419200

Donepezil Drug from GOOGLE, Appropriate Dose

Properties

#	Number	Symbol	Mass	Total Mass	Pins	Sockets	Bonded	Unbonded
1	67440	C	12	809280	269760	269760		
2	8430	O	16	134880	16860	16860		
3	81490	H	1	81490	81490	81490		
4	2810	N	14	39340	8430	8430		
5	100	C	12	1200	400	400		
6	70	O	16	1120	140	140		
7	50	N	14	700	150	150		
8	10	P	31	310	30	30		
9	15	O	16	240	30	30		
10	1	Hg	201	201	2	2		
11	14	C	12	168	56	56		
12	14	C	12	168	56	56		
13	100	H	1	100	100	100		
14	3	P	31	93	9	9		
15	5	O	16	80	10	10		
16	5	O	16	80	10	10		
17	6	C	12	72	24	24		
18	2	Cl	35	70	2	2		
19	4	O	16	64	8	8		
20	5	C	12	60	20	20		
21	1	S	32	32	2	2		
22	32	H	1	32	32	32		
23	2	O	16	32	4	4		
24	2	O	16	32	4	4		
25	2	O	16	32	4	4		
26	2	N	14	28	6	6		
27	15	H	1	15	15	15		
28	1	C	12	12	4	4		
29	1	C	12	12	4	4		
30	10	H	1	10	10	10		
31	8	H	1	8	8	8		
32	3	H	1	3	3	3		



Bond - Mode

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 5194.560398 x 10^{15} Hz	U_1 = 0.385494 x 10^5 m/s	λ_1 = 0.000466 x 10^{-10} m	A_1 = 7.4E-05 x 10^{-10} m
W_2 = 111.10924 x 10^{15} Hz	U_2 = 0.1381 x 10^5 m/s	λ_2 = 0.00781 x 10^{-10} m	A_2 = 0.001243 x 10^{-10} m
W_3 = 525.13005 x 10^{15} Hz	U_3 = 0.386255 x 10^5 m/s	λ_3 = 0.004622 x 10^{-10} m	A_3 = 0.000736 x 10^{-10} m
W_4 = 228.538541 x 10^{15} Hz	U_4 = 0.366737 x 10^5 m/s	λ_4 = 0.010083 x 10^{-10} m	A_4 = 0.001605 x 10^{-10} m
W_5 = 39.462343 x 10^{15} Hz	U_5 = 0.872556 x 10^5 m/s	λ_5 = 0.138928 x 10^{-10} m	A_5 = 0.022111 x 10^{-10} m
W_6 = 21.475117 x 10^{15} Hz	U_6 = 0.666272 x 10^5 m/s	λ_6 = 0.194938 x 10^{-10} m	A_6 = 0.031025 x 10^{-10} m
W_7 = 28.253757 x 10^{15} Hz	U_7 = 0.966677 x 10^5 m/s	λ_7 = 0.214974 x 10^{-10} m	A_7 = 0.034214 x 10^{-10} m
W_8 = 14.791913 x 10^{15} Hz	U_8 = 1.051051 x 10^5 m/s	λ_8 = 0.446457 x 10^{-10} m	A_8 = 0.071056 x 10^{-10} m
W_9 = 14.5288 x 10^{15} Hz	U_9 = 1.183864 x 10^5 m/s	λ_9 = 0.511979 x 10^{-10} m	A_9 = 0.081484 x 10^{-10} m
W_{10} = 2.402601 x 10^{15} Hz	U_{10} = 0.52606 x 10^5 m/s	λ_{10} = 1.375731 x 10^{-10} m	A_{10} = 0.218954 x 10^{-10} m
W_{11} = 11.610973 x 10^{15} Hz	U_{11} = 1.264946 x 10^5 m/s	λ_{11} = 0.684516 x 10^{-10} m	A_{11} = 0.108944 x 10^{-10} m
W_{12} = 9.2776 x 10^{15} Hz	U_{12} = 1.130722 x 10^5 m/s	λ_{12} = 0.765773 x 10^{-10} m	A_{12} = 0.121877 x 10^{-10} m
W_{13} = 4.54548 x 10^{15} Hz	U_{13} = 1.025847 x 10^5 m/s	λ_{13} = 1.41802 x 10^{-10} m	A_{13} = 0.225685 x 10^{-10} m
W_{14} = 7.865372 x 10^{15} Hz	U_{14} = 1.399299 x 10^5 m/s	λ_{14} = 1.117818 x 10^{-10} m	A_{14} = 0.177906 x 10^{-10} m
W_{15} = 5.861763 x 10^{15} Hz	U_{15} = 1.302452 x 10^5 m/s	λ_{15} = 1.396089 x 10^{-10} m	A_{15} = 0.222195 x 10^{-10} m
W_{16} = 4.17352 x 10^{15} Hz	U_{16} = 1.099003 x 10^5 m/s	λ_{16} = 1.654536 x 10^{-10} m	A_{16} = 0.263328 x 10^{-10} m
W_{17} = 10.974721 x 10^{15} Hz	U_{17} = 1.878551 x 10^5 m/s	λ_{17} = 1.075497 x 10^{-10} m	A_{17} = 0.171171 x 10^{-10} m
W_{18} = 2.417319 x 10^{15} Hz	U_{18} = 0.89415 x 10^5 m/s	λ_{18} = 2.324108 x 10^{-10} m	A_{18} = 0.369893 x 10^{-10} m
W_{19} = 3.65806 x 10^{15} Hz	U_{19} = 1.150345 x 10^5 m/s	λ_{19} = 1.975863 x 10^{-10} m	A_{19} = 0.314468 x 10^{-10} m
W_{20} = 9.931971 x 10^{15} Hz	U_{20} = 1.957648 x 10^5 m/s	λ_{20} = 1.238452 x 10^{-10} m	A_{20} = 0.197106 x 10^{-10} m
W_{21} = 0.761125 x 10^{15} Hz	U_{21} = 0.742071 x 10^5 m/s	λ_{21} = 6.125893 x 10^{-10} m	A_{21} = 0.974966 x 10^{-10} m
W_{22} = 2.661089 x 10^{15} Hz	U_{22} = 1.387545 x 10^5 m/s	λ_{22} = 3.27618 x 10^{-10} m	A_{22} = 0.52142 x 10^{-10} m
W_{23} = 3.707304 x 10^{15} Hz	U_{23} = 1.637746 x 10^5 m/s	λ_{23} = 2.775673 x 10^{-10} m	A_{23} = 0.441762 x 10^{-10} m
W_{24} = 3.707304 x 10^{15} Hz	U_{24} = 1.637746 x 10^5 m/s	λ_{24} = 2.775673 x 10^{-10} m	A_{24} = 0.441762 x 10^{-10} m
W_{25} = 3.233035 x 10^{15} Hz	U_{25} = 1.529406 x 10^5 m/s	λ_{25} = 2.972297 x 10^{-10} m	A_{25} = 0.473056 x 10^{-10} m
W_{26} = 2.876231 x 10^{15} Hz	U_{26} = 1.542145 x 10^5 m/s	λ_{26} = 3.368848 x 10^{-10} m	A_{26} = 0.536169 x 10^{-10} m
W_{27} = 2.021474 x 10^{15} Hz	U_{27} = 1.766367 x 10^5 m/s	λ_{27} = 5.490257 x 10^{-10} m	A_{27} = 0.873801 x 10^{-10} m
W_{28} = 3.103163 x 10^{15} Hz	U_{28} = 2.446832 x 10^5 m/s	λ_{28} = 4.954267 x 10^{-10} m	A_{28} = 0.788496 x 10^{-10} m
W_{29} = 2.083163 x 10^{15} Hz	U_{29} = 2.004765 x 10^5 m/s	λ_{29} = 6.046723 x 10^{-10} m	A_{29} = 0.962366 x 10^{-10} m
W_{30} = 1.981743 x 10^{15} Hz	U_{30} = 2.141983 x 10^5 m/s	λ_{30} = 6.791235 x 10^{-10} m	A_{30} = 1.080859 x 10^{-10} m
W_{31} = 1.56055 x 10^{15} Hz	U_{31} = 2.125134 x 10^5 m/s	λ_{31} = 8.55635 x 10^{-10} m	A_{31} = 1.361785 x 10^{-10} m
W_{32} = 0.701743 x 10^{15} Hz	U_{32} = 2.327132 x 10^5 m/s	λ_{32} = 20.836395 x 10^{-10} m	A_{32} = 3.316215 x 10^{-10} m

Circular - Frequency	= W_R =	3139.483733 x 10^{15} Hz	
Resonance - Energy	= E_R =	2066.41077993678 eV	
Resultant - Velocity	= U_R =	284.977813 x 10^5 m/s	
Resultant - λ	= λ_R =	0.570338 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	0.0907721899 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.045386 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	66215. x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	32632194.018004 x 10^{-6} Volt	
Intensity - Current	= I_C =	1039412.744154 x 10^{-3} Ampere	
Vaporation -Temperature	= T_V =	26,781.370 Kelvin	
Magnetic - Field	= M_F =	0.002413 x 10^{-6} Tesla	
Total Modulated Power =	P_{TM} =	67936 Watt.	

Donepezil
Energy Spectrum
Anti-Parkinson

Compound

Description	NEW ANTIDOTE Elena-1= 317,8.[C222 H333 N44 O55 S]
Formula	$C_{70551}H_{105827}N_{13983}O_{17479}S_{318}$
Total Number of Elements	208158
Stiffness Factor	-890757388

Elena-1 Antidote Detected from program with Appropriate Dose. in BRAIN

Properties

#	Number	Symbol	Mass	Total Mass	Pins	Sockets	Bonded	Unbonded
1	70551	C	12	846612	282204	282204		
2	17479	O	16	279664	34958	34958		
3	13983	N	14	195762	41949	41949		
4	105827	H	1	105827	105827	105827		
5	318	S	32	10176	636	636		

Bond - Mode

$$C^{\frac{282}{204}}\ O^{\frac{349}{58}}\ N^{\frac{419}{49}}\ H^{\frac{105}{827}}\ S^{\frac{636}{636}} = T^{\frac{465}{574}}$$

$$\frac{282}{204}\quad \frac{349}{58}\quad \frac{419}{49}\quad \frac{105}{827}\quad \frac{636}{636}\quad \frac{465}{574}$$

The Action of. I-ELENA. Antidote ON BRAIN Cerebral-Cordex

Matrices

Mass Matrix

$$m_x = \begin{vmatrix} 846612 & 0 & 0 & 0 & 0 \\ 0 & 279664 & 0 & 0 & 0 \\ 0 & 0 & 195762 & 0 & 0 \\ 0 & 0 & 0 & 105827 & 0 \\ 0 & 0 & 0 & 0 & 10176 \end{vmatrix}$$

Stiffness Matrix

$$k_x = \begin{vmatrix} 317162 & -34958 & 0 & 0 & 0 \\ -34958 & 76907 & -41949 & 0 & 0 \\ 0 & -41949 & 147776 & -105827 & 0 \\ 0 & 0 & -105827 & 106463 & -636 \\ 0 & 0 & 0 & -636 & 636 \end{vmatrix}$$

Flexibility Matrix

λ_{17} = -0.10197097 nm	W_{17} = 7.295724 x 10^{15} Hz	f_{17} = 1.16115 x 10^{15} Hz	E_{17} = 4.80205132 eV
λ_{18} = -0.06295053 nm	W_{18} = 4.642768 x 10^{15} Hz	f_{18} = 0.738919 x 10^{15} Hz	E_{18} = 3.05587344 eV
λ_{19} = -0.12491265 nm	W_{19} = 3.295895 x 10^{15} Hz	f_{19} = 0.524558 x 10^{15} Hz	E_{19} = 2.16936113 eV
λ_{20} = -0.12491265 nm	W_{20} = 4.6611 x 10^{15} Hz	f_{20} = 0.741837 x 10^{15} Hz	E_{20} = 3.06793993 eV
λ_{21} = -0.17378624 nm	W_{21} = 2.794274 x 10^{15} Hz	f_{21} = 0.444722 x 10^{15} Hz	E_{21} = 1.83919332 eV
λ_{22} = -0.22709949 nm	W_{22} = 2.444379 x 10^{15} Hz	f_{22} = 0.389035 x 10^{15} Hz	E_{22} = 1.60889237 eV
λ_{23} = -0.92093368 nm	W_{23} = 1.486648 x 10^{15} Hz	f_{23} = 0.236607 x 10^{15} Hz	E_{23} = 0.97851282 eV
λ_{24} = 3.28175335 nm	W_{24} = 1.701268 x 10^{15} Hz	f_{24} = 0.270765 x 10^{15} Hz	E_{24} = 1.11977591 eV
λ_{25} = 2.02660802 nm	W_{25} = 1.002161 x 10^{15} Hz	f_{25} = 0.159499 x 10^{15} Hz	E_{25} = 0.65962305 eV
λ_{26} = 6.42155374 nm	W_{26} = 0.459681 x 10^{15} Hz	f_{26} = 0.073161 x 10^{15} Hz	E_{26} = 0.30256244 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 4585.341597 x 10^{15} Hz	U_1 = 0.354108 x 10^5 m/s	λ_1 = 0.000485 x 10^{-10} m	A_1 = 7.7E-05 x 10^{-10} m
W_2 = 349.161246 x 10^{15} Hz	U_2 = 0.170015 x 10^5 m/s	λ_2 = 0.003059 x 10^{-10} m	A_2 = 0.000487 x 10^{-10} m
W_3 = 258.907225 x 10^{15} Hz	U_3 = 0.174985 x 10^5 m/s	λ_3 = 0.004247 x 10^{-10} m	A_3 = 0.000676 x 10^{-10} m
W_4 = 700.941858 x 10^{15} Hz	U_4 = 0.391593 x 10^5 m/s	λ_4 = 0.00351 x 10^{-10} m	A_4 = 0.000559 x 10^{-10} m
W_5 = 68.475434 x 10^{15} Hz	U_5 = 0.394704 x 10^5 m/s	λ_5 = 0.036217 x 10^{-10} m	A_5 = 0.005764 x 10^{-10} m
W_6 = 58.28311 x 10^{15} Hz	U_6 = 0.744261 x 10^5 m/s	λ_6 = 0.080235 x 10^{-10} m	A_6 = 0.01277 x 10^{-10} m
W_7 = 38.390259 x 10^{15} Hz	U_7 = 0.939015 x 10^5 m/s	λ_7 = 0.153685 x 10^{-10} m	A_7 = 0.02446 x 10^{-10} m
W_8 = 19.535935 x 10^{15} Hz	U_8 = 0.686395 x 10^5 m/s	λ_8 = 0.22076 x 10^{-10} m	A_8 = 0.035135 x 10^{-10} m
W_9 = 27.848754 x 10^{15} Hz	U_9 = 0.915061 x 10^5 m/s	λ_9 = 0.206454 x 10^{-10} m	A_9 = 0.032858 x 10^{-10} m
W_{10} = 19.130093 x 10^{15} Hz	U_{10} = 1.082443 x 10^5 m/s	λ_{10} = 0.355523 x 10^{-10} m	A_{10} = 0.056583 x 10^{-10} m
W_{11} = 4.486503 x 10^{15} Hz	U_{11} = 0.543219 x 10^5 m/s	λ_{11} = 0.760759 x 10^{-10} m	A_{11} = 0.121079 x 10^{-10} m
W_{12} = 6.680371 x 10^{15} Hz	U_{12} = 0.7052 x 10^5 m/s	λ_{12} = 0.663272 x 10^{-10} m	A_{12} = 0.105563 x 10^{-10} m
W_{13} = 8.107088 x 10^{15} Hz	U_{13} = 1.032687 x 10^5 m/s	λ_{13} = 0.800357 x 10^{-10} m	A_{13} = 0.127381 x 10^{-10} m
W_{14} = 9.242594 x 10^{15} Hz	U_{14} = 1.17877 x 10^5 m/s	λ_{14} = 0.801337 x 10^{-10} m	A_{14} = 0.127537 x 10^{-10} m
W_{15} = 7.89087 x 10^{15} Hz	U_{15} = 1.126351 x 10^5 m/s	λ_{15} = 0.896868 x 10^{-10} m	A_{15} = 0.142741 x 10^{-10} m
W_{16} = 4.106888 x 10^{15} Hz	U_{16} = 0.893872 x 10^5 m/s	λ_{16} = 1.367548 x 10^{-10} m	A_{16} = 0.217652 x 10^{-10} m
W_{17} = 7.295724 x 10^{15} Hz	U_{17} = 1.624563 x 10^5 m/s	λ_{17} = 1.399098 x 10^{-10} m	A_{17} = 0.222673 x 10^{-10} m
W_{18} = 4.642768 x 10^{15} Hz	U_{18} = 1.639272 x 10^5 m/s	λ_{18} = 2.218472 x 10^{-10} m	A_{18} = 0.353081 x 10^{-10} m
W_{19} = 3.295895 x 10^{15} Hz	U_{19} = 1.544202 x 10^5 m/s	λ_{19} = 2.943816 x 10^{-10} m	A_{19} = 0.468523 x 10^{-10} m
W_{20} = 4.6611 x 10^{15} Hz	U_{20} = 1.836376 x 10^5 m/s	λ_{20} = 2.475444 x 10^{-10} m	A_{20} = 0.393979 x 10^{-10} m
W_{21} = 2.794274 x 10^{15} Hz	U_{21} = 2.010791 x 10^5 m/s	λ_{21} = 4.521452 x 10^{-10} m	A_{21} = 0.719611 x 10^{-10} m
W_{22} = 2.444379 x 10^{15} Hz	U_{22} = 1.880688 x 10^5 m/s	λ_{22} = 4.834239 x 10^{-10} m	A_{22} = 0.769393 x 10^{-10} m
W_{23} = 1.486648 x 10^{15} Hz	U_{23} = 1.567951 x 10^5 m/s	λ_{23} = 6.626807 x 10^{-10} m	A_{23} = 1.054689 x 10^{-10} m
W_{24} = 1.701268 x 10^{15} Hz	U_{24} = 1.677316 x 10^5 m/s	λ_{24} = 6.194724 x 10^{-10} m	A_{24} = 0.985921 x 10^{-10} m
W_{25} = 1.002161 x 10^{15} Hz	U_{25} = 2.780997 x 10^5 m/s	λ_{25} = 17.435846 x 10^{-10} m	A_{25} = 2.775001 x 10^{-10} m
W_{26} = 0.459681 x 10^{15} Hz	U_{26} = 2.306778 x 10^5 m/s	λ_{26} = 31.53037 x 10^{-10} m	A_{26} = 5.018214 x 10^{-10} m

Circular - Frequency	= W_R =	3098.156862 x 10^{15} Hz	
Resonance - Energy	= E_R =	2039.2093992856637 eV	
Resultant - Velocity	= U_R =	298.761315 x 10^5 m/s	
Resultant - λ	= λ_R =	0.6059 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	0.0964319525 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.048216 x 10^{-10} m	

1-ELENA
ENERGY SPECTRU
In Brain.
Celebral-Cortex

Resultant - Potential	=	V_{RP}	=	65344. x 10^{-20} Volt
LC - Circuit Potential	=	V_{LC}	=	31360412.812848 x 10^{-6} Volt
Intensity - Current	=	I_C	=	1012228.050891 x 10^{-3} Ampere
Vaporation -Temperature	=	T_V	=	32,525.358 Kelvin
Magnetic - Field	=	M_F	=	0.001834 x 10^{-6} Tesla
LC - Circuit - Power	=	P_{LC}	=	317438895366987 x 10^{-10} Watt
T.Modulated - Power	=	P_{TRM}	=	634877790733975 x 10^{-10} Watt
SideBands - Power	=	P_{SBM}	=	158719447683494 x 10^{-10} Watt

1- ELENA.
ENERGY SPECTRUM
In BRAIN
Cerebral-Cortex

σ_1	=	u_1/φ	=	0.218851 x 10^5 N/mm²	
Δw_1	=	$W_R - W_1$	=	-1487.184735 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	=	$W_R + W_1$	=	7683.498458 x 10^{15} Hz	max.Amplitude Modulation
fw_1	=	$\Delta W_1/2\pi$	=	-236.692802 x 10^{15} Hz	con.Frequency Modulation
E dF_1	=	h x fw_1	=	-978.86621817 eV	
k_1	=	$\Delta w_1 / \Sigma w_1$	=	-0.193555676	
β_1	=	W_R / W_1	=	0.675665443	
φ_1	=	$1 / W_1$	=	0.000218 x 10^{-15} Rad	
P_1	=	$0,5 * A_1^2$	=	0.0000 x 10^{-20} Watt	
σ_2	=	u_2/φ	=	0.105075 x 10^5 N/mm²	
Δw_2	=	$W_R - W_2$	=	2748.995616 x 10^{15} Hz	min.Amplitude Modulation
Σw_2	=	$W_R + W_2$	=	3447.318107 x 10^{15} Hz	max.Amplitude Modulation
fw_2	=	$\Delta W_2/2\pi$	=	437.516241 x 10^{15} Hz	con.Frequency Modulation
E dF_2	=	h x fw_2	=	1809.39117947 eV	
k_2	=	$\Delta w_2 / \Sigma w_2$	=	0.797430214	
β_2	=	W_R / W_2	=	8.873140697	
φ_2	=	$1 / W_2$	=	0.002864 x 10^{-15} Rad	
P_2	=	$0,5 * A_2^2$	=	0.0000 x 10^{-20} Watt	
σ_3	=	u_3/φ	=	0.108147 x 10^5 N/mm²	
Δw_3	=	$W_R - W_3$	=	2839.249637 x 10^{15} Hz	min.Amplitude Modulation
Σw_3	=	$W_R + W_3$	=	3357.064086 x 10^{15} Hz	max.Amplitude Modulation
fw_3	=	$\Delta W_3/2\pi$	=	451.880614 x 10^{15} Hz	con.Frequency Modulation
E dF_3	=	h x fw_3	=	1868.79645047 eV	
k_3	=	$\Delta w_3 / \Sigma w_3$	=	0.845753779	
β_3	=	W_R / W_3	=	11.966281984	
φ_3	=	$1 / W_3$	=	0.003862 x 10^{-15} Rad	
P_3	=	$0,5 * A_3^2$	=	0.0000 x 10^{-20} Watt	
σ_4	=	u_4/φ	=	0.242018 x 10^5 N/mm²	
Δw_4	=	$W_R - W_4$	=	2397.215004 x 10^{15} Hz	min.Amplitude Modulation
Σw_4	=	$W_R + W_4$	=	3799.098719 x 10^{15} Hz	max.Amplitude Modulation
fw_4	=	$\Delta W_4/2\pi$	=	381.528618 x 10^{15} Hz	con.Frequency Modulation
E dF_4	=	h x fw_4	=	1577.84889104 eV	
k_4	=	$\Delta w_4 / \Sigma w_4$	=	0.630995713	
β_4	=	W_R / W_4	=	4.419991228	
φ_4	=	$1 / W_4$	=	0.001427 x 10^{-15} Rad	
P_4	=	$0,5 * A_4^2$	=	0.0000 x 10^{-20} Watt	

ANTI - ALZHEIMER Donepezil = 2810.[C24 H29 N O3]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	485.667021 x 10^{15} Hz
Energy	=	Q_0	=	5.1216 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.05902389 x 10^{-18} Farad/s
Current	=	I_C	=	2.49 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	4.2395 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	1.21 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	2.4874 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	6.1872 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	2.49 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	3.2343 x 10^{-18} s
Radiation - Thermal	=	T_K	=	7.50 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	31.938174 x 10^{-10} m

ANTI - ALZHEIMER NEW-1 Elena = 457,666.[C222 H444 O55 S]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	457.720162 x 10^{15} Hz
Energy	=	Q_0	=	4.8269 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.18474099 x 10^{-18} Farad/s
Current	=	I_C	=	2.21 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	4.7730 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	1.01 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	2.2093 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	4.8813 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	2.21 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	3.4317 x 10^{-18} s
Radiation - Thermal	=	T_K	=	7.07 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	35.552895 x 10^{-10} m

THE Cannabinoid CANCERED BREAST [CBD] = C4 O2 H15

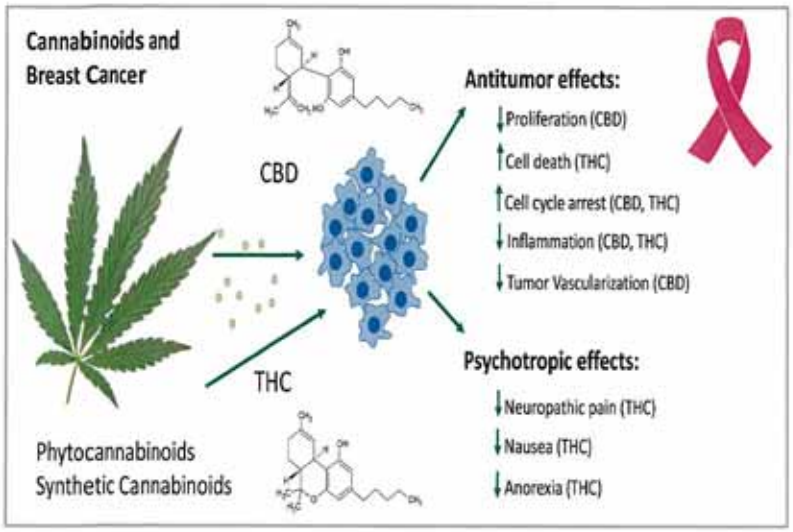
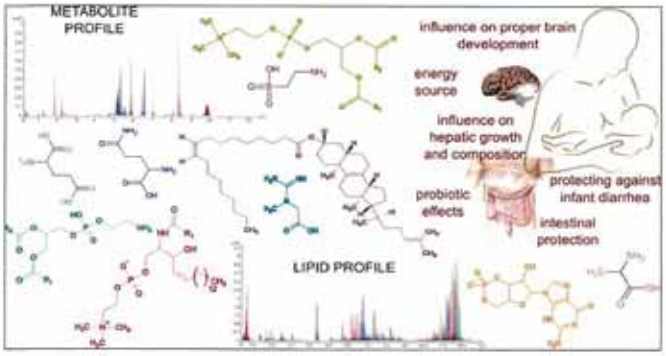
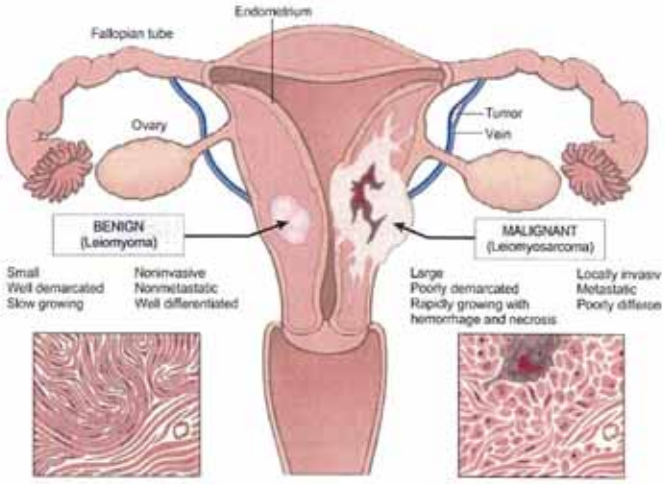


Fig. 2.1. Comparison between a benign tumor and a malignant tumor of the same origin.

(From Kumar, V., et.al: Robbins and Cotran Pathologic Basis of Disease, 9th Edition, Philadelphia, 2015, Saunders.)

THE HEALTHY WOMEN BREAST
HEALTHY Women Breast CANCERED





[A] = THE HEALTHY BREAST LIPID -1 =
[C6 O2 H20] + [N3 O2 C H6]

[B] = THE HEALTHY BREAST LIPID -2 = [C4 O6 N2 P H14] + [N2 O3 H5] + [N O4 H5] + {{{ N O8 P H3 }}}

[C] = THE CANNABINOID BREAST - CANCER [CBD] = [C4 O2 H15]

[D] = Xylene = (CH3)2 C6 H4

[E] = Acetone = | CH3-CO-CH3 |14

The Antidotes Synthesis is Pluged with the Detected Prober – Modes for Rasoning with the Varius Breast Cancer Frequencies . and convert them Healthy . as .

1... Carrier Wave = [B] + Fatty-Acid + Triple Helix + Ducts.

2...Modulating Wave = [D] + [E] + [C]

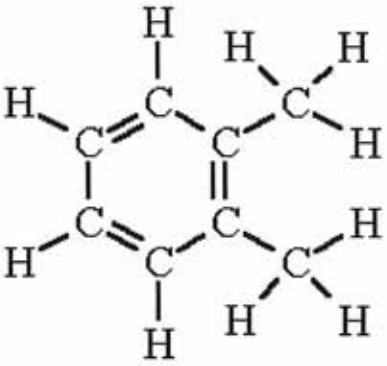
3...Modulated Wave = [1] + [2]

4...Demodulated Wave = ([1] + [2]) + Antidote

Breast Cancer chemical Structures and their Partition ...

Chemical construction materials and everyday products can contain substances like **PFAS, solvents, Dyes, and flame retardants**, which are linked to an increased risk of breast cancer through environmental exposure in food, water, air, and consumer products. In the chemical construction industry, solvents are liquids that dissolve or dilute other substances, acting as carriers for paints, coatings, and adhesives to facilitate their application, drying, and cleaning processes. Common construction solvents include white spirit, **Xylene**, and **Acetone**, which are found in products like paints, varnishes, and degreasers.

What Is Xylene? | The Chemistry Blog



chemicals.co.uk https://www.chemicals.co.uk › The Chemistry Blog

27 Jan 2021 — The chemical formula of xylene is **(CH3)2 C6 H4**, >>> and this is the same for all the three isomers. Each isomer molecule has a benzene ring and two ...

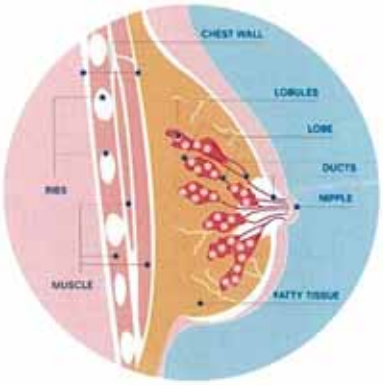
Acetone | CH3-CO-CH3 | CID 180

National Institutes of Health (NIH) | (.gov)

https://pubchem.ncbi.nlm.nih.gov › compound › Acetone

Acetone is a methyl ketone that consists of propane bearing an oxo group at C2. It has a role as a polar aprotic solvent, a human metabolite and an EC 3.5.1.4 (..B

Human breast tissue engineering in health and disease



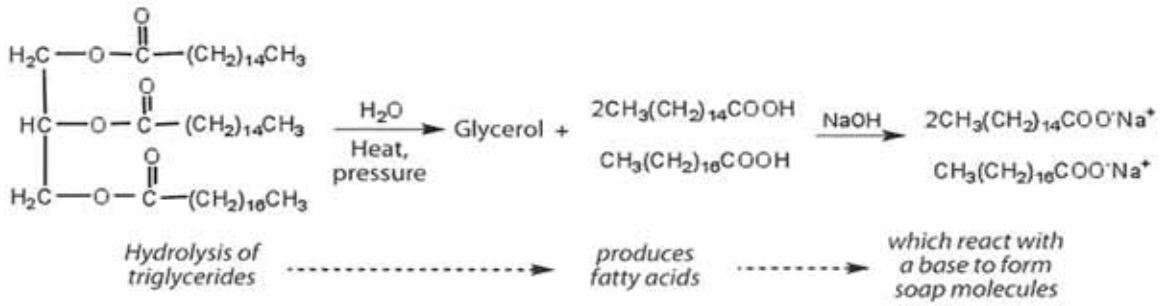
EMBO Press https://www.embopress.org › doi

by MB Buchholz · 2024 · Cited by 3 — We provide an overview of the current landscape of **Breast Tissue** engineering, outline key requirements, and the challenges to overcome for achieving more ...

The breast is made up of fat, connective tissue, glands and ducts. Ligaments are dense bands of connective tissue that support the breast. They run from the skin through the breast and attach to muscles on the chest. Fat = **NAOH + [2CH3 + (CH2)14 + COONa**

Chemical Reactions of Breast Fats and Oils

Fats and oils are composed of molecules known as Triglycerides

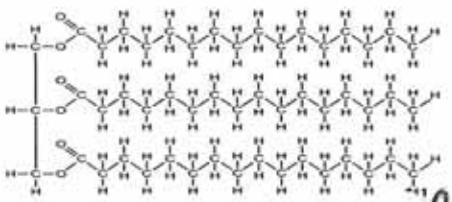


Fatty Acid = **CH2CO2 + [2CH3 + (CH2)14 + CH3**

+)-Lactose | C12 H22 O11 | CID 440995

National Institutes of Health (NIH) | (.gov)

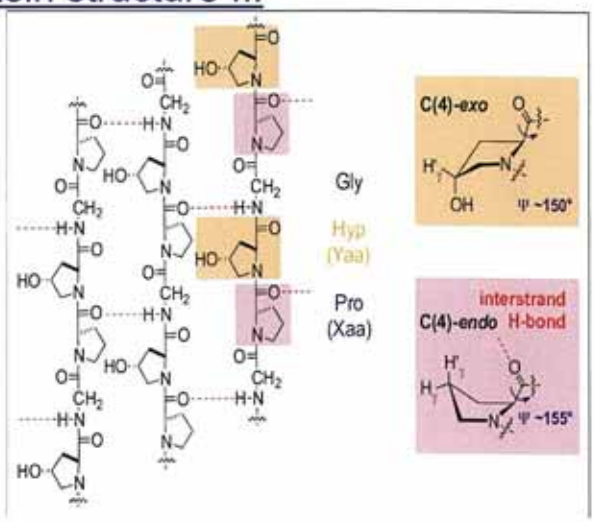
https://pubchem.ncbi.nlm.nih.gov › chebi_17716



Lactose is a glycosylglucose disaccharide, found most notably in milk, that consists of D-galactose and D-glucose fragments bonded through a beta-1->4

The Triple Helix of collagens - An ancient Protein structure ...

HELIX-1 = [NHOO] 2 + [HNCH2 ONO] 2
HELIX-2 = N0 + [NHOO] 2 + [HNCH2 PNO] 2
HELIX-3 = [HNCH2O] 2 + [NO]2 +[NHOO] 2



Breast Ducts --Polydimethylsiloxane (PDMS) has a chemical structure consisting of a siloxane backbone (Si-O) with two methyl groups (CH_3) attached to each silicon atom in a repeating unit. Its general formula is $CH_3 [Si(CH_3)_2O]n + Si(CH_3)_3$, where the ' n=14 ' signifies the number of these repeating units. This flexible, inorganic backbone gives PDMS its characteristic properties, such as thermal stability, chemical inertness, hydrophobic nature, and viscoelasticity, making it suitable for a wide range of applications. ...

Drugs for Breast Cancer are typically divided into chemotherapy drugs, targeted therapies, and hormone (endocrine) therapies. Chemotherapy drugs like doxorubicin = Doxorubicin | C27 H29 N O11 | CID 31703 + Paclitaxel = | C47 H51 N O14 | CID 36314 + Capecitabine | C15H22FN3O6 | CID kill cancer cells, while hormone therapies such as tamoxifen and anastrozole block hormones that fuel cancer growth. Targeted therapies like trastuzumab and pertuzumab specifically target certain proteins or pathways in cancer cells. The choice of drug depends on the cancer type and stage, and often a combination of drugs is used. For ***Chemotherapy Drugs*** **[CD]**,,,

Tamoxifen | C26 H29 N O | CID 2733526 + **[CD]** Paclitaxel = [C47 H51 N O14]

Anastrozole | C17 H19 N5 | CID 2187 + **[CD]** Docetaxel = [C43 H53 N O14]

Trastuzumab --- L-Histidine | C6H9N3O2 | CID 6274

Pertuzumab Formula: C17 H27 N O2 ;+ **[CD]**Cyclophosphamide = [C7H15Cl2 N2 O2 P]

Labatinib | **C29 H26 Cl F N4 O4 S** | CID 2733526 + **[CD]** Capecitabine = [C15 H22 F N3 O6]

Afatinib | **C24 H25 Cl F N5 O3 S** | CID 2733526 + **[CD]** Carboplatin = [C6 H12 N2O4Pt]

Neratinib | **C30 H29 Cl F N6 O3 S** | CID 2733526

[CD] = For Chemotherapy Drugs ,,, $C\ HNO)_3$ = kinase inhibitor used to treat certain types of non-small cell lung cancer (NSCLC) and squamous cell lung cancer.

The efficiency of the Chemical structrure is Under the Resonance of Energy Level friquencies . It is needed to be Pluged with the Probeer Modes of the Breast Cancer Resonance Frequencies .

BREAST CANCER DRUGS & ANTIDOTES : [BC-D]

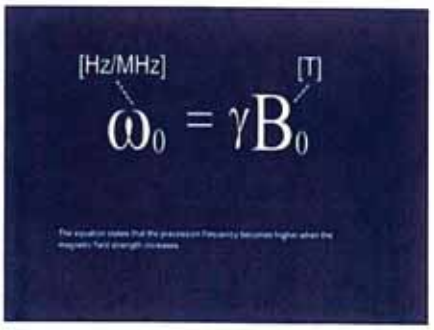
The Antidotes for [BC]-Disease are Detected from the Demodulation Of the MODULATED – WAVE as in [1-3]

TYPE OF **CELL : The Appropriate Dose of Antidote —Effective &Total Action ,**
From [BC] - W_{EFFECT} **= N.10^15 Hz ---** $W_{ANTIDOTE}$ **= N.10^15 Hz ,**

Disease	Drug	Prober – Dose	Effectiveness	Action
	Drugs for Chemotherapy-& other Cancers			
THE BREAST	I Capecitabine =2060,11.[C15H22FN3O6]	—315,316	----1095,235. 10^15	Hz
LOBULES ++	I Cyclophosphamide= 2134.[C7H15Cl2N2O2P]	—607,923	----1092,569 .	
LIPID TISSUES	I Docelaxel = 845.[C43H53NO11]	—400,959	----1092,607 .	
&	I Doxorubicin = 1355.[C27H29NO11]	—400,143	----1094,416 .	
DUCTS	I Paclitaxel = 710.[C47H51NO14]	—322,464	----1092,941 .	
	I Carboplatin = 4393.[C6H12N2O4Pt]	—400,293	----1093,224 .	
	I *The Two Compounds have been detected from the PROGRAM*			
	[NEW-1 Symeon =882,0.[C47H51N4O22]	– 254,707	---1092,792	
Needs 1092,395	I NEW-2 Symeon =946,0.[C37H59N3O26]	– 374,497	---1092,710	
10^15 Hz	I Drugs for other Types of Cancers			

I Afatinib = 950,11.[C24H25Cl FN5O3S]	—487,270	----1093,451. 10^15	Hz
I Anastrozole = 42567.[C17H19 N5]	—283,306	----1092,601 .	
I Labatinib = 600.[C29H26Cl FN4O4S]	—576,506	----1092,833 .	
I Neratinib = 753.[C30H29Cl FN6O5S]	—487,517	----1092,732 .	
I Pertuzumab = 1063.[C17H27 N O2]	—589,392	----1092,709 .	
I Tamoxifen = 1762,13.[C26H29 N O]	—332,042	----1082,814 .	
I Trastuzumab = 6456.[C6H9 N3 O2]	—330,706	----1092,6786 .	
I *The Two Compounds have been detected from the PROGRAM*			
[NEW-1 Elena =815,0.[C18H14F4N2O3S]	– 576,172	---1092,710	
[NEW-2 Elena =3310,11.[C7 H7 N7 S7 O7]	– 395,021	---1059,819	

For the Antidotes (Drugs) is written the Appropriate Dose of the Antidote their Carrier Frequency and the Resonance Demodulated frequency .



Larmor-equation where ***fo*** is the Precession frequency, ***Bo*** is the strength of the externally Applied field, and ***γ*** is the ***Gyromagnetic ratio***, a constant specific to each specific Nucleus or Particle.
There are no direct applications of the Larmor equation in PLAXIS, as the Larmor equation is used in MRI Physics to describe the Resonance frequency of Atomic Nuclei in a Magnetic field, not in geotechnical engineering. PLAXIS is a finite element software for Analyzing geotechnical and Structural problems, and its material models and equations are unrelated to magnetic phenomena.

D-NSND = The Neurous System & Neurology Disorders

Nervous System Diseases | Neurologic Diseases

MedlinePlus (.gov) https://medlineplus.gov › Health Topics

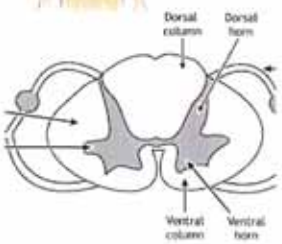
27 Mar 2023 — Diseases of the Blood Vessels that Supply the Brain, such as stroke;
Injuries to the spinal cord and brain; Seizure disorders, such as epilepsy ...

Neurological disorders are conditions that affect how your Nervous System functions. This involves your central nervous system and peripheral nervous system.

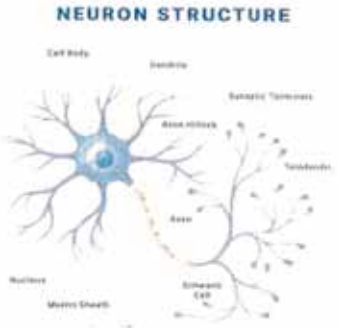
Your Central Nervous System includes your Brain and Spinal Cord. Your Peripheral Nervous System includes all the Nerves that branch off of your spinal cord. It further breaks down into your:

- Somatic Nervous System: This guides your voluntary movements.
- Autonomic Nervous System: This regulates the activities you do without thinking about them (involuntary movements).

Neurological disorders are diseases of the brain, spinal cord, and nerves that transmit signals throughout the body. They can be caused by structural **BRAIN >** issues, genetic factors, infections, degeneration, or injuries. Common **Spiral-Cord >** symptoms include changes in muscle movement, sensitivity and senses,**NERVES >** and examples include Alzheimer's disease, epilepsy, Parkinson's disease, multiple sclerosis, and stroke.



The Spinal Cord's chemical construction primarily involves cells such as **Neurons** and glial cells (Astrocytes, Oligodendrocytes, and Microglia), along with Myelin, water, and Proteins like Tubulin, Actin, and Histones. These components form the Gray matter (neuronal cell bodies) and White matter (myelinated axons) and are crucial for transmitting Signals via Neurotransmitters, maintaining the neural environment, and regenerating tissue in Spinal Cord injuries.



Neurons have a complex chemical construction, consisting of a cell body (**Soma**) containing a Nucleus and Organelles , branching **Dendrites** for receiving signals, and a long **Axon** for transmitting them.

Astrocytes contain key chemical constituents like Glial Fibrillary Acidic Protein (GFAP), which provides structural support, and aquaporin 4 (AQP4) and potassium channels, vital for regulating fluid and ion homeostasis. They also express numerous transporters and channels for neurotransmitters (like glutamate and GABA) and ions, and produce metabolic products such as glutamine and lactate, connecting them to neuronal function and energy supply through the glutamate-glutamine cycle and the lactate shuttle.

Amino Acidic Protein= [OHONH2HS2] Amino Carboxyl Protein=[OHONH2COOH]

Types of Painkillers for Cancer

Macmillan Cancer Support
https://www.macmillan.org.uk › ... › Pain
Doctors usually treat mild to moderate cancer pain with drugs called opioids. These are sometimes called 'morphine-like' medicines.
Missing: ~~Cobra~~ | Show results with: Cobra

For severe Cancer Pain, strong Opioids like Morphine, Morphine | C17H19NO3 | CID 5288826 - PubChem – NIH

Oxycodone , molecular formula is C18H21NO4. and Hydromorphone
Hydromorphone | C17 H19 N O3 | CID 5284570 - PubChem - NIH
are typically recommended. For less severe Pain, weaker Opioids such as Codeine
Codeine | C18 H21 N O3 | CID 5284371 - PubChem - NIH
or hydrocodone
Hydrocodone | C18H21NO3 | CID 5284569 - PubChem - NIH
may be used. Other drugs like NSAIDs, antidepressants, and specific medications like Bisphosphonates $[CH_2]_2N(CH_3)_2$ or Steroids may also be used in combination with opioids, depending on the pain's cause and severity. There is no drug for "Cobra pain."

1. How does Cobratoxan work?

1.1. What is Cobratoxan?

Cobratoxin | C277 H443 N97 O98 S8 | CID 91898464 - PubChem

The primary components of Cobratoxan are 0.5 mg of cobra venom, 2.824g of methyl salicylate, 0.588g of peppermint essential oil, and substances in adequate quantities for one tube. The medication is supplied in a package containing a 20g tube and is formulated as a topical cream

MORPHINE = [C17 H19 N O3] The Prober Dose = 69,166[C17 H19 N O3] with frequency 127,645.10^{15} Hz , and Resonance frequency 890,481. 10^{15} Hz , From Effi= 976,378 10^{15} Hz ,

HYDROMORPHINE = [C17 H19 N O3] = As above .

CODEINE = [C18 H21 N O3] The Prober Dose = 69,15[C18 H21 N O3] with frequency 133,986.10^{15} Hz , and Resonance frequency 923,011. 10^{15} Hz , From Effi= 976,378 10^{15} Hz ,

BISPHOSPHONATES=[CH2]2 N [CH3]2=The Prober Dose = 550[CH2]2 N [CH3]2] with frequency 125,628.10^{15} Hz &Resonance frequency867,161$0^{15}$ Hz ,From Eff= 976,378 10^{15} Hz

COBRATOXIN = [C277 H443 N97 O98 S8] = The Prober Dose = 3,3.[C277 H443 N97 O98 S8] with frequency 105,470.10^{15} Hz &Resonance frequency 976,06$10^{15}$ Hz , From Eff= 976,378 10^{15} Hz

CHEMOTHERAPY ANTICANCER DRUG Paclitaxel = 710.[C47 H51 N O14]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	322.464173 x 10^{15} Hz
Energy	=	Q_0	=	3.4005 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.10111970 x 10^{-18} Farad/s
Current	=	I_C	=	1.10 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	9.6169 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	3.54 x 10^{-1} Volt
Voltage across Inductor	=	V_L	=	1.0965 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	1.2024 x 10^{-17} Watt
Maximum Flowing Current	=	I_{max}	=	1.10 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	4.8712 x 10^{-18} s
Radiation - Thermal	=	T_K	=	4.98 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	26.6493 x 10^{-10} m

CHEMOTHERAPY ANTICANCER DRUG NEW-11 Elena = 815,4.[C18 H14 F4 N2 O3 S]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	576.172475 x 10^{15} Hz
Energy	=	Q_0	=	6.0760 x 10^{-17} J
LC - Circuit-Coupling	=	LC_{LC}	=	1.73559141 x 10^{-18} Farad/s
Current	=	I_C	=	3.50 x 10^{1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	3.0122 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	2.02 x 10^{0} Volt
Voltage across Inductor	=	V_L	=	3.5008 x 10^{-18} eV
Power of LC-System	=	P_{CL}	=	1.2256 x 10^{-16} Watt
Maximum Flowing Current	=	I_{max}	=	3.50 x 10^{1} Ampere
Capacity Discharged Period	=	T_s	=	2.7262 x 10^{-18} s
Radiation - Thermal	=	T_K	=	8.90 x 10^{3} Kelvin
Radius In Cleft	=	r_{LC}	=	21.928184 x 10^{-10} m

ANTI-PAIN DRUGS FOR Cancer & Snake Bite : [A-PCS]

The Antidotes for [A-PCS] Disease are Detected from the Demodulation Of the MODULATED – WAVE From Cancer or Bite

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TYPE OF **CELL : The Appropriate Dose of Antidote —Effective &Total Action ,**
From [BC] - W_{EFFECT} **= N.10^15 Hz ---** $W_{ANTIDOTE}$ **= N.10^15 Hz ,**

Disease	Drug	Prober – Dose	Effectiveness	Action

ANTI – PAIN Drugs for The Cancer - Types . -

THE BRAIN	I	Fentanyl =15,61.[C22H28FN2O] —44,840 ----372,549. 10^15 Hz
AXON - SOMA	I	LEU-Enkephalou = 5,4.[C28H37N5O7] —42,136 ----373,453 .
DENDRITE	I	MET-Enkephalou = 5,2.[C27H35N5O7 S]—40,516 ----373,201 .
PAIN-KILLERS	I	
Needs 372,813	I	
10^15 Hz	I	ANTI – PAIN Drugs for SNAKE - COBRA . -
	I	---------- -
THE BRAIN	I	Fentanyl = 65.[C22H28FN2O] —93,255 ----976,967. 10^15 Hz
AXON - SOMA	I	LEU-Enkephalou = 30,6.[C28H37N5O7] —103,052 ----976,874 .
DENDRITE	I	MET-Enkephalou = 30,62.[C27H35N5O7 S]—103,128 ---976,887 .
SARM – 1,2,3	[	NAJIA - DRUG =172.[N11 O9 H26 S2] – 113,374 --- -976,377
PAIN-KILLERS	[	NEW-5 Compound = 69.[C412H15 Cl N3O3]–139,246 --976,430
Needs 976,378	I	NEW-6 Penicilline = 52.[C16H18N2O4 S] – 102,868 ---992,212
10^15 Hz		

[ANTI – PAIN Drugs for SNAKE – Crotalia Needs 633,141 . 10^15 Hz -
I ---------- Speider Needs 424,142 . 10^15 Hz
[NEW-7 Crotamine = [C917N166 O78 H38]–79,818 -633,171 [633,141]
[NEW-8 Crotamine = 10.[N82 O22 H4]– 57,033 --424,219 [424,142]
[NEW-9 Spider = 25,4.[C7 N7 O7 H7]– 57,033 --425,311 [424,142]
[NEW-10 Spider = 40.[C9 O9 H9]– 57,033 --425,078 [424,142]

For the Antidotes (Drugs) is written the Appropriate Dose of the Antidote their Carrier Frequency and the Resonance Demodulated - frequency .

NAJIA – DRUGS : THEY COMPLETELY CORRESPOND TO THE RESONANCE FREQUENCY OF THE COBRA-POISON -

Antidote - Action

The Antidote	NAJA DRUG - Eptifibatide = 172.[N11 O9 H26 S2] : $N_{1892}O_{1548}H_{4472}S_{344}$
Final Compound	COPROTAXIN=[C277H443N97O98S8]+NMNAT2= [N2OH2+O3H2+PO4H]+SARM1=[N3O3F3H2]+AXON=[O2O2PO4N +HONHOPO4N+HONHOH5O6] : $C_{277}S_8F_3PPPN_{97}N_3N_2NNNNH_{443}H_5H_2H_2H_2HHHHHO_{98}O_6O_4O_4O_4O_3O_3O_2O_2$ OOOOO

Needed W	=			976.37844343 x 10^{15} Hz
Needed E	=			642.647850663752 eV
Circular - Frequency	=	W_{RAN}	=	977.93395198 x 10^{15} Hz
Resonance - Energy	=	E_{RAN}	=	643.6769330595898 eV
Frequency - Antidote	=	f_{ANT}	=	155.6476129204 x 10^{15} Hz
Resultant - Velocity	=	U_{RANT}	=	2.999726 x 10^{5} m/s
Resultant - λ	=	λ_{RANT}	=	0.0192725497 x $10^{-1°}$ m
Re Helical - r = ARANT	=	r_{RANT}	=	0.0030673215 x $10^{-1°}$ m
Modulated SB - Potential	=	V_{SBF}	=	2.035554 x 10^{-16} Volt
LC - Circuit Potential	=	V_{LC}	=	986279.794387 x 10^{-6} Volt
Resultant - A - Potential	=	V_{RAP}	=	651.631497579986 Volt
Intensity - Current	=	I_C	=	100853.415754 x 10^{-3} Ampere
Antidote V - Temperature	=	T_{VA}	=	40.454 Kelvin
Modulated M-Field	=	M_{FMOD}	=	-2.42097 x 10^{-6} Tesla
Antidote - M-Field	=	M_{FANT}	=	1.959372 x 10^{-6} Tesla
Antidote - Phase - Shift	=	φ_{ANT}	=	0.001023 x 10^{-15} Rad
Phase - Modul. Index	=	β_{MANT}	=	3.35551864893675
Bands UL - Deviation	=	ΔW_{RES}	=	484.1445443749 x 10^{15} Hz
Bands UL - Width	=	P_{BRM}	=	38.9119032301 x 10^{15} Hz
Modulate - Factor	=	m_{FAN}	=	0.0130437033098851
Bands UL - Amplitude	=	A_{BUL}	=	0.000767 x $10^{-1°}$ m
LC - Circuit - Potential	=	P_{LC}	=	994696861529.632 x $10^{-1°}$ Watt
T. Modulated - Power	=	P_{TM}	=	1989393723059.26 x $10^{-1°}$ Watt
SideBands - Power	=	P_{SB}	=	497348430764.816 x $10^{-1°}$ Watt

The Demodulated FM - Waveform

ANTI PAIN LEU-Enkephalou = 54.[C28 H37 N5 07]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	42.136087 x 10^{15} Hz
Energy	=	Q_0	=	4.4435 x 10^{-18} J
LC - Circuit-Coupling	=	LC_{LC}	=	2.37326259 x 10^{-17} Farad/s
Current	=	I_C	=	1.87 x 10^{-1} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	5.6323 x 10^{-15} Farad
Resonance-Voltage	=	V_R	=	7.89 x 10^{-4} Volt
Voltage across Inductor	=	V_L	=	1.8723 x 10^{-2^0} eV
Power of LC-System	=	P_{CL}	=	3.5055 x 10^{-21} Watt
Maximum Flowing Current	=	I_{max}	=	1.87 x 10^{-1} Ampere
Capacity Discharged Period	=	T_s	=	3.7279 x 10^{-17} s
Radiation - Thermal	=	T_K	=	6.51 x 10^2 Kelvin
Radius In Cleft	=	r_{LC}	=	4.541792 x 10^{-1^0} m

COPROTAXIN=[C277H443N97O98S8]+NMNAT2=[N2OH2+O3H2+PO4H]+SARM1=[N3O3F3H2]+AXON=[O2O2PO4N+HONHOPO4N+HONHOH5O6] // +++ \\ NAJA DRUG - Eptifibatide = 172.[N11 O9 H26 S2]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	977.933952 x 10^{15} Hz
Energy	=	Q_0	=	1.0312 x 10^{-16} J
LC - Circuit-Coupling	=	LC_{LC}	=	1.02256394 x 10^{-18} Farad/s
Current	=	I_C	=	1.01 x 10^2 Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.0456 x 10^{-17} Farad
Resonance-Voltage	=	V_R	=	9.86 x 10^0 Volt
Voltage across Inductor	=	V_L	=	1.0085 x 10^{-17} eV
Power of LC-System	=	P_{CL}	=	1.0171 x 10^{-15} Watt
Maximum Flowing Current	=	I_{max}	=	1.01 x 10^2 Ampere
Capacity Discharged Period	=	T_s	=	1.6062 x 10^{-18} s
Radiation - Thermal	=	T_K	=	1.51 x 10^4 Kelvin
Radius In Cleft	=	r_{LC}	=	13.253944 x 10^{-1^0} m

REMARKS :

1),, Differences between [B]=Brain- waves , [EM]=Electromagnetic waves [Google]

Feature : [B]= Brain Waves [EM]=Electromagnetic Waves (Light, Radio)

Origin : [B]= Electrochemical activity of synchronized neurons within the Brain . [EM] =Vibrations of electric charges , like electrons in an Antenna , that generate oscillating Electric and Magnetic fields .

Propagation : [B]=Localized to the Brain and not propagating through free space [EM}= Propagate through space at the speed of light.

Mechanism : [B]= Neural oscillations and collective ion currents. [EM]= Changing electric fields creating magnetic fields and vice versa.

Detection : [B]= Measured by EEG (electrical) or MEG (magnetic) sensors placed on or near the head .[EM]=Can be detected by specific instruments like radios or cameras , which are designed to pick up a specific range of frequencies.

2).. In the LC circuits of Atoms , the current oscillates with Zero damping and this also is for NAJA–ANTIPAIN which is $\rightarrow 77{,}798828.10^{-17}$ Farad . The LC circuits of Atoms Generate signals at a Particular frequency or Picking out a Signal at a Particular frequency from a more complex Signal

The Waves enter the Cerebral - Cortex through the Brain's own Electrochemical activity, where the movement of ions across Neuron - membranes generates tiny electrical currents that are the source of Brain waves .These electrical currents are always accompanied by a Magnetic field as before in NAJA , creating a localized electromagnetic field around the Brain that is detectable by a magnetoencephalograph (MEG). Brain waves are distinct from external Electromagnetic - waves like radio or light , which are caused by vibrating electric - charges in free space , while Brain waves are a localized , Non-Propagating phenomenon produced by synchronized Neural activity.

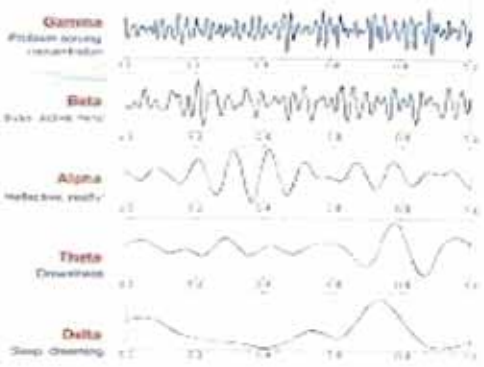
3).. The Waves of Neural activity enter the cerebral-cortex through a Network of interconnected neurons that Propagate Signals across the Brain. This process is initiated by external stimuli , such as a visual stimulus , which causes a propagating pulse of excitation to spread from the initial point of contact.

The process for the NAJA–ANTIPAIN LC circuits is initiated by the internal Blood-stimuli and Generate signals at a Particular frequency as the above or Picking out a Signal at a Particular frequency from a more complex signal which may be another Antidote with Resonance frequency differing to $W_{MO-NAAN} = 113{,}374.10^{15}$ Hz .

4)..The raw [**EEG**] has been described in terms of frequency bands as follows ,

- Gamma (greater than 30Hz)
- BETA (13-30Hz)
- ALPHA (8-12 Hz)
- THETA (4-8 Hz)
- DELTA (less than 4 Hz)

5).. The Difference between [B]= Brain- waves and [EM] = Electromagnetic waves does not exists in reality , because the Brain Does Not Emit Waves .



Brainwaves are a measurement of how fast Neurons are firing. Neurons fire in large groups in rapid pulses , and these pulses create an Energy wave across the neocortex that can be measured in terms of Voltage , for NAJA has been measured as 1,14678589 Watt , with very fine tuned electrodes placed against the skull .

These waves are not emitted by the Brain , they are Voltage artifacts created by the Brain activity .The human Body emits radiant Heat (Photons ans Electromagnetic Waves) in the infrared - range , which is roughly , 700 nm - 1mm in wavelength , and which corresponds to a frequency of , 3.10^{15} Hz to 3.10^{11} Hz , and verifies the NAJA–ANTIPAIN which is $W_{MO-NAAN} = 113{,}374.10^{15}$ Hz which is on order 10^{15} Hz and NOT on order . $0{,}5.10^{0}$ Hz till 30.10^{0} Hz of [**EEG**] method .

6).. The Frequency : [from GOOGLE]

Mapping the full frequency bandwidth of brain Electrophysiological signals is crucial for understanding both Physiological and Pathological states. Conventional clinical EEG typically focuses on waveforms ranging from , 0.5 to 70 Hz, analyzed using bandpass filtering techniques. However, broader EEG bandwidths have been examined by clinical Neurophysiologists and researchers and shown to have clinical relevance in specific contexts.

Simultaneous recording of Brain direct current shifts, infraslow oscillations (<0.1 Hz), typical local field potentials (0.1-80 Hz), and higher frequencies (80-600 Hz) from the same site holds promise for preclinical epilepsy research and may offer clinical biomarkers for more precise delineation of seizure onset zones.[3] Excluding infraslow or ultrafast frequency bands from routine EEG omits physiologically and pathologically significant features of brain activity.

Full-bandwidth EEG enables analysis of all Physiologically and clinically meaningful waveforms without sacrificing a frequency band for another.[4] Despite its potential, routine clinical use of full-bandwidth EEG remains limited, as capturing extremely high-frequency signals requires specialized equipment capable of higher sampling rates and expanded data storage. Based on full-bandwidth EEG recordings, EEG waveforms can be characterized into several types, discussed below.

Since the frequencies fluctuate and are , on the order of 10^15 Hz , the -EEG- method should be oriented differently in drawing Conclusions because .there is no doubt about the correctness of the calculating frequency from the wavelength measured..

A Comparison between Carbon and Silicon [From GOOGLE] :

Carbon is more Abundant in the Universe because it's created during the life of Massive Stars and scattered by Supernovae , while Silicon is less common due to its origin in larger Stars and subsequent formation in different conditions . **Carbon also forms Stronger, more stable Bonds** , can create double and triple Bonds , and is more versatile in forming complex and varied molecules , making it the **essential Backbone** for life as we know it , especially in the presence of water . **Silicon** , on the other hand , has **weaker Bonds** (except with Oxygen), struggles to form multiple Bonds, and reacts with Oxygen to form stable Rocks instead of the Complex Molecules needed for life..

There have been measured the Bracket-Hooks for Diamond , Graphite and Silicon with the following,

The **Diamond-Hook** $\rightarrow$ $\mathbf{a_{DH} = 0{,}4836}$ A^0 ..(DH) , $\Rightarrow$ The **Graphite-Hook** $\mathbf{a_{GH} = 0{,}3869}$ A^0..(GH)

The Electrons **Silicon-Hook** $\rightarrow$ $\mathbf{a_{DH} = 0{,}249267}$ A^0...(CD)

From [**BH**]-Results is seen the Why **Carbon is the Strongest Atom forming more stable Bonds**.

In Fig-30 , **The 6 Conductors on Tetrahedron** Equilibrium **in the 12 Cube – Conductors .**

Capacitor (C) – Informations :

In a Silicon Chip of $0{,}5.mm^3$ = [Si O2] $\leftarrow$The Number of Molecules in a Volume $(0{,}5.mm)^3$ becomes from Avogadro constant $A_N = 6{,}02214.10^{23}\ mol^{-1}$(*) $5{,}52.10^{-6}$ mol **AND is** $\Rightarrow$ $3{,}3247229.10^{18}$ [SiO2] molecules . To achieve an atomically smooth surface are used 2 Oxygen in Atoms-level which means that there are no Defects or Irregularities at the Atomic level and this because Oxygen is left .

This Ultra-Flat Surface between the levels achieves the creation **of the microscopic long circuits** between the levels of microchips .**This Substrate Base is a Linear or Surface Capacitor** as below,

The Linear Capacitor , [Si-Si $\leftrightarrow$ Si-Si] = Si $\leftrightarrow$ Si $\leftrightarrow$ Si , stores Energy in its Electric field , [Si $\leftrightarrow$ Si] , as it is charged , analogous to how a Spring stores the Potential Energy when it is compressed or stretched . **Electric-Charge** is the quantity of Energy $\mathbf{1eV} = 1{,}6022.10^{-19}$ **C** .

1... The Linear Capacitor is as $\rightarrow$ Si $\leftrightarrow$ Si $\leftrightarrow$ Si , where , **Si** , are the Atoms of Silicon .

2... The Surface Capacitor is $\rightarrow$ $\begin{matrix} Si \leftrightarrow & Si & \leftrightarrow Si \\ Si \leftrightarrow & Si & \leftrightarrow Si \end{matrix}$, $\leftrightarrow$ Is the Binary-Information [+, 0 , -] $\equiv$

$\{\oplus , [\emptyset\,] , \ominus\} \equiv \{\oplus , [\oplus \leftrightarrow \ominus], \ominus\}$, between the Gap of the Spherical Atoms

3... The Layer Capacitors are $\rightarrow$ $\begin{matrix} Si \leftrightarrow & Si & \leftrightarrow Si \\ FS & FS & FS \\ Si \leftrightarrow & Si & \leftrightarrow Si \end{matrix}$ FS Is the Silicon Flat Surface Levels .

The Atoms in Chips are as the Floating-Gates Transistors , where there **Each-One** Atom from the **Grid Atoms Peak** acts into the 1-Linear , 2-Surface , 3-volume **Gaps** , as the **Electronic Switches** that can be in only **1 of 2 States** , representing thus the Binary Mechanism $\rightarrow$ 0 or 1 $\leftarrow$.

The **DATA or Information** are stored between the **Gaps** of the in between Spaces of the Atoms

In Grid Atoms Peak , as vibration $\rightarrow \ddot{x} + w^2{}_n x = 0 \leftarrow$, where is $w_H = \sqrt{\frac{k}{m_H}}$. and Amplitude

$L_A = \frac{1}{2}\sqrt[3]{m_{AN}/\rho N_A}$,where ρ = The density in g/cm3 and N_A = Avogadro number 6.10^{-23}

This Storage Mechanism relies on the Trapping of an Electrical-Charge $\oplus$, $\ominus$, It converts the audio waves into electronic waves and as resistor , controls electronic current .

The Potential Energy (the Voltage) between the Flat-Surfaces can Store or Move the Electric-Charges.

Fuse (Fu) – Fission (Fi) : Reactions :

a...The Hydron -Reaction $2.H_1^1 \leftrightarrow 2.H_1^1 = 3.H_1^1 + n$

b...The Hydron -Reaction $2.H_1^1 \leftrightarrow 3.H_1^1 = 3.H_1^1 + p$

c...The Nuclear - Fission $U_2^{235} = \{ K_2^{92} + Nd_2^{141} + \gamma_{Ray}^{3.10\text{^}19Hz}$

4... The Method : It is based on , The Theory of VIBRATIONS with Applications .

The Application of THE PROGRAM & The Comparison Results from Anticancer Drugs .

A SAMPLE FROM PROGRAM [106]

G_2 = -4.10103938

G_3 = -1.66882596

Mode - Shapes

Φ_1 = 1.11015349 x | 1 ; -3.69412 ; -1.50324 |

Φ_2 = -4.10103938 x | -0.2707 ; 1 ; 0.40693 |

Φ_3 = -1.66882596 x | -0.66523 ; 2.45744 ; 1 |

Modes Dynamic - Results

λ_1 = 1.11015349 nm	w_1 = 1.914899 x 10^{15} Hz	f_1 = 0.304766 x 10^{15} Hz	E_1 = 1.26038778 eV
λ_2 = -4.10103938 nm	w_2 = 0.813476 x 10^{15} Hz	f_2 = 0.129469 x 10^{15} Hz	E_2 = 0.53543049 eV
λ_3 = -1.66882596 nm	w_3 = 0.901719 x 10^{15} Hz	f_3 = 0.143513 x 10^{15} Hz	E_3 = 0.59351206 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 1.914899 x 10^{15} Hz	u_1 = 0.961047 x 10^5 m/s	λ_1 = 3.153399 x 10^{-10} m	A_1 = 0.501879 x 10^{-10} m
W_2 = 0.813476 x 10^{15} Hz	u_2 = 0.820136 x 10^5 m/s	λ_2 = 6.334626 x 10^{-10} m	A_2 = 1.008187 x 10^{-10} m
W_3 = 0.901719 x 10^{15} Hz	u_3 = 0.932658 x 10^5 m/s	λ_3 = 6.49877 x 10^{-10} m	A_3 = 1.034311 x 10^{-10} m

Circular - Frequency	= W_R =	1.815047 x 10^{15} Hz	
Resonance - Energy	= E_R =	1.1946651629365763 eV	
Resultant - Velocity	= u_R =	2.031532 x 10^5 m/s	
Resultant - λ	= λ_R =	7.032598 x 10^{-10} m	
Re Helical - r = AR	= r_R =	1.1192727539 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.559636 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	38.281 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.006306 x 10^{-6} Volt	
Intensity - Current	= I_C =	3.47 x 10^{-4} Ampere	
Vaporation -Temperature	= T_V =	264.195 Kelvin	
Magnetic - Field	= M_F =	6.158137 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.021907 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.043814 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.010953 x 10^{-10} Watt	

[$MgSiO_3$]
The Energy Spectrum & the Waveform Signals IN CHIPS

σ_1 = u_1/φ	=	0.59396 x 10^5 N/mm²	
Δw_1 = $W_R - W_1$	=	-0.099852 x 10^{15} Hz	min.Amplitude Modulation
Σw_1 = $W_R + W_1$	=	3.729945 x 10^{15} Hz	max.Amplitude Modulation
fw_1 = $\Delta W_1/2\pi$	=	-0.015892 x 10^{15} Hz	con.Frequency Modulation
E dF_1 = h x fw_1	=	-0.06572262 eV	

G_2 = 1.9402904

G_3 = -2.41864141

A SAMPLE FROM PROGRAM [106]

Mode - Shapes

Φ_1 = 1.43778369 x | 1 ; 1.3495 ; -1.6822 |

Φ_2 = 1.9402904 x | 0.74101 ; 1 ; -1.24654 |

Φ_3 = -2.41864141 x | -0.59446 ; -0.80222 ; 1 |

Modes Dynamic - Results

λ_1 = 1.43778369 nm	w_1 = 0.686934 x 10^{15} Hz	f_1 = 0.109329 x 10^{15} Hz	E_1 = 0.45214038 eV
λ_2 = 1.9402904 nm	w_2 = 1.448451 x 10^{15} Hz	f_2 = 0.230528 x 10^{15} Hz	E_2 = 0.95337186 eV
λ_3 = -2.41864141 nm	w_3 = 1.059268 x 10^{15} Hz	f_3 = 0.168588 x 10^{15} Hz	E_3 = 0.69721115 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 0.686934 x 10^{15} Hz	u_1 = 0.532913 x 10^5 m/s	λ_1 = 4.874397 x 10^{-10} m	A_1 = 0.775784 x 10^{-10} m
W_2 = 1.448451 x 10^{15} Hz	u_2 = 0.835841 x 10^5 m/s	λ_2 = 3.625766 x 10^{-10} m	A_2 = 0.577059 x 10^{-10} m
W_3 = 1.059268 x 10^{15} Hz	u_3 = 0.935872 x 10^5 m/s	λ_3 = 5.551245 x 10^{-10} m	A_3 = 0.883508 x 10^{-10} m

Circular - Frequency	= W_R	=	1.597327 x 10^{15} Hz
Resonance - Energy	= E_R	=	1.0513616993355785 eV
Resultant - Velocity	= U_R	=	1.658784 x 10^5 m/s
Resultant - λ	= λ_R	=	6.52493 x 10^{-10} m
Re Helical - r = AR	= r_R	=	1.0384748671 x 10^{-10} m
Bands UL - Amplitude	= A_{RB}	=	0.519237 x 10^{-10} m
Resultant - Potential	= V_{RP}	=	33.689 x 10^{-20} Volt
LC - Circuit Potential	= V_{LC}	=	0.004298 x 10^{-6} Volt
Intensity - Current	= I_C	=	2.69 x 10^{-4} Ampere
Vaporation -Temperature	= T_V	=	232.504 Kelvin
Magnetic - Field	= M_F	=	7.240654 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.011564 x 10^{-10} Watt
T.Modulated - Power	= P_{TRM}	=	0.023128 x 10^{-10} Watt
SideBands - Power	= P_{SBM}	=	0.005782 x 10^{-10} Watt

[FeSiO3]

The Energy Spectrum & the Waveform - Signals IN CHIPS

σ_1	= u_1/φ	=	0.329358 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	0.910393 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	2.28426 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.144894 x 10^{15} Hz	con.Frequency Modulation
E dF_1	= h x fw_1	=	0.59922132 eV	

G_2 = 2.18706786

G_3 = -1.23575373

A SAMPLE FROM PROGRAM [106]

Mode - Shapes

Φ_1 = 4.56020293 x | 1 ; 0.4796 ; -0.27099 |

Φ_2 = 2.18706786 x | 2.08508 ; 1 ; -0.56503 |

Φ_3 = -1.23575373 x | -3.69022 ; -1.76983 ; 1 |

Modes Dynamic - Results

λ_1 = 4.56020293 nm	W_1 = 0.771435 x 10^{15} Hz	f_1 = 0.122778 x 10^{15} Hz	E_1 = 0.50775941 eV
λ_2 = 2.18706786 nm	W_2 = 1.364288 x 10^{15} Hz	f_2 = 0.217133 x 10^{15} Hz	E_2 = 0.89797567 eV
λ_3 = -1.23575373 nm	W_3 = 1.047878 x 10^{15} Hz	f_3 = 0.166775 x 10^{15} Hz	E_3 = 0.6897141 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 0.771435 x 10^{15} Hz	u_1 = 0.609989 x 10^5 m/s	λ_1 = 4.968233 x 10^{-10} m	A_1 = 0.790719 x 10^{-10} m
W_2 = 1.364288 x 10^{15} Hz	u_2 = 0.811194 x 10^5 m/s	λ_2 = 3.735929 x 10^{-10} m	A_2 = 0.594592 x 10^{-10} m
W_3 = 1.047878 x 10^{15} Hz	u_3 = 0.778785 x 10^5 m/s	λ_3 = 4.669679 x 10^{-10} m	A_3 = 0.743202 x 10^{-10} m

Circular - Frequency	= W_R =	1.591801 x 10^{15} Hz	
Resonance - Energy	= E_R =	1.0477245907083197 eV	
Resultant - Velocity	= u_R =	1.567441 x 10^5 m/s	
Resultant - λ	= λ_R =	6.187032 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	0.9846967453 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.492348 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	33.573 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.004253 x 10^{-6} Volt	
Intensity - Current	= I_C =	2.67 x 10^{-4} Ampere	
Vaporation -Temperature	= T_V =	231.700 Kelvin	
Magnetic - Field	= M_F =	6.999754 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.011365 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.022731 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.005683 x 10^{-10} Watt	

[$CaTiO_3$]

The Energy-Spectrum & the Waveform Signals IN CHIPS

σ_1	= u_1/φ	=	0.376994 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	0.820365 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	2.363236 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.130565 x 10^{15} Hz	con.Frequency Modulation
E dF_1	= h x fw_1	=	0.53996518 eV	

G_2	=	2.53611622
G_3	=	2.01916967

A SAMPLE FROM PROGRAM [106]

Mode - Shapes

$\Phi_1 =$ -0.2207426 x | 1 / -11.48902 / -9.14717 |

$\Phi_2 =$ 2.53611622 x | -0.08704 / 1 / 0.79617 |

$\Phi_3 =$ 2.01916967 x | -0.10932 / 1.25602 / 1 |

Modes Dynamic - Results

λ_1 = -0.2207426 nm	W_1 = 3.506296 x 10^{15} Hz	f_1 = 0.558044 x 10^{15} Hz	E_1 = 2.3078469 eV
λ_2 = 2.53611622 nm	W_2 = 1.034444 x 10^{15} Hz	f_2 = 0.164637 x 10^{15} Hz	E_2 = 0.68087203 eV
λ_3 = 2.01916967 nm	W_3 = 1.419877 x 10^{15} Hz	f_3 = 0.225981 x 10^{15} Hz	E_3 = 0.93456452 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 3.506296 x 10^{15} Hz	u_1 = 0.626227 x 10^5 m/s	λ_1 = 1.122181 x 10^{-10} m	A_1 = 0.178601 x 10^{-10} m
W_2 = 1.034444 x 10^{15} Hz	u_2 = 0.706359 x 10^5 m/s	λ_2 = 4.290404 x 10^{-10} m	A_2 = 0.682839 x 10^{-10} m
W_3 = 1.419877 x 10^{15} Hz	u_3 = 0.827556 x 10^5 m/s	λ_3 = 3.662067 x 10^{-10} m	A_3 = 0.582836 x 10^{-10} m

Circular - Frequency	= W_R =	2.980309 x 10^{15} Hz	
Resonance - Energy	= E_R =	1.9616417273966542 eV	
Resultant - Velocity	= u_R =	1.791176 x 10^5 m/s	
Resultant - λ	= λ_R =	3.776217 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	0.6010035695 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.300502 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	62.858 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.027916 x 10^{-6} Volt	
Intensity - Current	= I_C =	9.37 x 10^{-4} Ampere	
Vaporation -Temperature	= T_V =	433.808 Kelvin	
Magnetic - Field	= M_F =	9.830179 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.261487 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.522973 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.130743 x 10^{-10} Watt	

[$P_bTi_2O_3$]

The Energy Spectrum & the Waveform Signals In CHIPS

σ_1	= u_1/φ	= 0.387029 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	= -0.525987 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	= 6.486605 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	= -0.083713 x 10^{15} Hz	con.Frequency Modulation
E dF_1	= h x fw_1	= -0.34620518 eV	

A SAMPLE FROM PROGRAM [106]

G_2 = 3.11001867

G_3 = -2.8017715

Mode - Shapes

Φ_1 = -7.01478431 x | 1 ; -0.44335 ; 0.39941 |

Φ_2 = 3.11001867 x | -2.25554 ; 1 ; -0.90089 |

Φ_3 = -2.8017715 x | 2.5037 ; -1.11002 ; 1 |

Modes Dynamic - Results

λ_1 = -7.01478431 nm	W_1 = 0.621992 x 10^{15} Hz	f_1 = 0.098993 x 10^{15} Hz	E_1 = 0.40939535 eV
λ_2 = 3.11001867 nm	W_2 = 1.144078 x 10^{15} Hz	f_2 = 0.182086 x 10^{15} Hz	E_2 = 0.75303333 eV
λ_3 = -2.8017715 nm	W_3 = 0.695922 x 10^{15} Hz	f_3 = 0.110759 x 10^{15} Hz	E_3 = 0.45805615 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 0.621992 x 10^{15} Hz	u_1 = 0.547727 x 10^5 m/s	λ_1 = 5.532985 x 10^{-10} m	A_1 = 0.880602 x 10^{-10} m
W_2 = 1.144078 x 10^{15} Hz	u_2 = 0.742848 x 10^5 m/s	λ_2 = 4.079659 x 10^{-10} m	A_2 = 0.649298 x 10^{-10} m
W_3 = 0.695922 x 10^{15} Hz	u_3 = 0.819345 x 10^5 m/s	λ_3 = 7.397528 x 10^{-10} m	A_3 = 1.177353 x 10^{-10} m

Circular - Frequency	= W_R	=	1.230996 x 10^{15} Hz
Resonance - Energy	= E_R	=	0.8102424142425546 eV
Resultant - Velocity	= u_R	=	1.541098 x 10^5 m/s
Resultant - λ	= λ_R	=	7.865991 x 10^{-10} m
Re Helical - r = AR	= r_R	=	1.25191139 x 10^{-10} m
Bands UL - Amplitude	= A_{RB}	=	0.625956 x 10^{-10} m
Resultant - Potential	= V_{RP}	=	25.963 x 10^{-20} Volt
LC - Circuit Potential	= V_{LC}	=	0.001967 x 10^{-6} Volt
Intensity - Current	= I_C	=	1.60 x 10^{-4} Ampere
Vaporation -Temperature	= T_V	=	179.182 Kelvin
Magnetic - Field	= M_F	=	5.505689 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.003144 x 10^{-10} Watt
T.Modulated - Power	= P_{TRM}	=	0.006287 x 10^{-10} Watt
SideBands - Power	= P_{SBM}	=	0.001572 x 10^{-10} Watt

[$MgTi_2O_3$]

The Energy Spectrum & the Waveform Signals In CHIPS

σ_1	= u_1/φ	=	0.338514 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	0.609004 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	1.852987 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.096926 x 10^{15} Hz	con.Frequency Modulation
$E\,dF_1$	= h x fw_1	=	0.40084706 eV	

A SAMPLE FROM PROGRAM [106]

G_2 = 4.45198646

G_3 = 2.82606401

Mode - Shapes

Φ_1 = 1.46066879 x | 1 ; 3.04791 ; 1.93477 |

Φ_2 = 4.45198646 x | 0.32809 ; 1 ; 0.63479 |

Φ_3 = 2.82606401 x | 0.51686 ; 1.57533 ; 1 |

Modes Dynamic - Results

λ_1 = 1.46066879 nm	w_1 = 0.681531 x 10^{15} Hz	f_1 = 0.108469 x 10^{15} Hz	E_1 = 0.44858443 eV
λ_2 = 4.45198646 nm	w_2 = 0.780755 x 10^{15} Hz	f_2 = 0.124261 x 10^{15} Hz	E_2 = 0.51389353 eV
λ_3 = 2.82606401 nm	w_3 = 1.20018 x 10^{15} Hz	f_3 = 0.191015 x 10^{15} Hz	E_3 = 0.78995927 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 0.681531 x 10^{15} Hz	u_1 = 0.530813 x 10^5 m/s	λ_1 = 4.893679 x 10^{-10} m	A_1 = 0.778853 x 10^{-10} m
W_2 = 0.780755 x 10^{15} Hz	u_2 = 0.613662 x 10^5 m/s	λ_2 = 4.938492 x 10^{-10} m	A_2 = 0.785985 x 10^{-10} m
W_3 = 1.20018 x 10^{15} Hz	u_3 = 0.760843 x 10^5 m/s	λ_3 = 3.983168 x 10^{-10} m	A_3 = 0.633941 x 10^{-10} m

Circular - Frequency	= W_R =	1.331233 x 10^{15} Hz	
Resonance - Energy	= E_R =	0.8762186170166725 eV	
Resultant - Velocity	= u_R =	1.354456 x 10^5 m/s	
Resultant - λ	= λ_R =	6.392794 x 10^{-10} m	
Re Helical - r = AR	= r_R =	1.017444718 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.508722 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	28.077 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.002488 x 10^{-6} Volt	
Intensity - Current	= I_C =	1.87 x 10^{-4} Ampere	
Vaporation -Temperature	= T_V =	193.772 Kelvin	
Magnetic - Field	= M_F =	7.390316 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.00465 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.009299 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.002325 x 10^{-10} Watt	

[$FeTiO_3$]

The Energy Spectrum & the Waveform Signals In CHIPS

σ_1 = u_1/φ	=	0.32806 x 10^5 N/mm²	
Δw_1 = $W_R - W_1$	=	0.649702 x 10^{15} Hz	min.Amplitude Modulation
Σw_1 = $W_R + W_1$	=	2.012764 x 10^{15} Hz	max.Amplitude Modulation
fw_1 = $\Delta W_1/2\pi$	=	0.103403 x 10^{15} Hz	con.Frequency Modulation
E dF_1 = h x fw_1	=	0.42763419 eV	

G_2 = 1.3633958

G_3 = 2.14166952

A Sample From Program [106]

Mode - Shapes

Φ_1 = -0.2635887 x | 1 ; -5.17244 ; -8.12504 |

Φ_2 = 1.3633958 x | -0.19333 ; 1 ; 1.57083 |

Φ_3 = 2.14166952 x | -0.12308 ; 0.6366 ; 1 |

Modes Dynamic - Results

λ_1 = -0.2635887 nm	w_1 = 4.537778 x 10^{15} Hz	f_1 = 0.72221 x 10^{15} Hz	E_1 = 2.98676923 eV
λ_2 = 1.3633958 nm	w_2 = 0.705425 x 10^{15} Hz	f_2 = 0.112272 x 10^{15} Hz	E_2 = 0.46431113 eV
λ_3 = 2.14166952 nm	w_3 = 1.378672 x 10^{15} Hz	f_3 = 0.219423 x 10^{15} Hz	E_3 = 0.90744324 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 4.537778 x 10^{15} Hz	u_1 = 1.046113 x 10^5 m/s	λ_1 = 1.448489 x 10^{-10} m	A_1 = 0.230534 x 10^{-10} m
W_2 = 0.705425 x 10^{15} Hz	u_2 = 0.540037 x 10^5 m/s	λ_2 = 4.810088 x 10^{-10} m	A_2 = 0.765549 x 10^{-10} m
W_3 = 1.378672 x 10^{15} Hz	u_3 = 0.815459 x 10^5 m/s	λ_3 = 3.716389 x 10^{-10} m	A_3 = 0.591482 x 10^{-10} m

Circular - Frequency	= W_R =	3.310938 x 10^{15} Hz	
Resonance - Energy	= E_R =	2.1792617987652965 eV	
Resultant - Velocity	= u_R =	1.940172 x 10^5 m/s	
Resultant - λ	= λ_R =	3.681876 x 10^{-10} m	
Re Helical - r = AR	= r_R =	0.585988821 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.292994 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	69.831 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.038276 x 10^{-6} Volt	
Intensity - Current	= I_C =	1.16 x 10^{-3} Ampere	
Vaporation -Temperature	= T_V =	451.813 Kelvin	
Magnetic - Field	= M_F =	9.409919 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.442484 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.884969 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.221242 x 10^{-10} Watt	

[$Fe_2Ti_2O_3$]

The Energy Spectrum & the Waveform Signals In CHIPS

σ_1 = u_1/φ	=	0.646533 x 10^5 N/mm^2	
Δw_1 = $W_R - W_1$	=	-1.22684 x 10^{15} Hz	min.Amplitude Modulation
Σw_1 = $W_R + W_1$	=	7.848716 x 10^{15} Hz	max.Amplitude Modulation
fw_1 = $\Delta W_1/2\pi$	=	-0.195258 x 10^{15} Hz	con.Frequency Modulation
E dF_1 = h x fw_1	=	-0.80750743 eV	

G_2 = 2.93318778

G_3 = 2.21841802

A SAMPLE FROM PROGRAM [106]

Mode - Shapes

Φ_1 = 1.85580256 x | 1 ; 1.58055 ; 1.1954 |

Φ_2 = 2.93318778 x | 0.63269 ; 1 ; 0.75632 |

Φ_3 = 2.21841802 x | 0.83654 ; 1.3222 ; 1 |

Modes Dynamic - Results

λ_1 = 1.85580256 nm	w_1 = 0.855088 x 10^{15} Hz	f_1 = 0.136091 x 10^{15} Hz	E_1 = 0.56281957 eV
λ_2 = 2.93318778 nm	w_2 = 0.961882 x 10^{15} Hz	f_2 = 0.153088 x 10^{15} Hz	E_2 = 0.6331114 eV
λ_3 = 2.21841802 nm	w_3 = 1.354614 x 10^{15} Hz	f_3 = 0.215594 x 10^{15} Hz	E_3 = 0.8916081 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 0.855088 x 10^{15} Hz	u_1 = 0.420425 x 10^5 m/s	λ_1 = 3.089285 x 10^{-10} m	A_1 = 0.491675 x 10^{-10} m
W_2 = 0.961882 x 10^{15} Hz	u_2 = 0.681134 x 10^5 m/s	λ_2 = 4.449292 x 10^{-10} m	A_2 = 0.708127 x 10^{-10} m
W_3 = 1.354614 x 10^{15} Hz	u_3 = 0.808313 x 10^5 m/s	λ_3 = 3.749246 x 10^{-10} m	A_3 = 0.596711 x 10^{-10} m

Circular - Frequency	= W_R	=	1.585792 x 10^{15} Hz
Resonance - Energy	= E_R	=	1.043769533951009 eV
Resultant - Velocity	= U_R	=	1.36292 x 10^5 m/s
Resultant - λ	= λ_R	=	5.400128 x 10^{-10} m
Re Helical - r = AR	= r_R	=	0.8594571213 x 10^{-10} m
Bands UL - Amplitude	= A_{RB}	=	0.429729 x 10^{-10} m
Resultant - Potential	= V_{RP}	=	33.446 x 10^{-20} Volt
LC - Circuit Potential	= V_{LC}	=	0.004205 x 10^{-6} Volt
Intensity - Current	= I_C	=	2.65 x 10^{-4} Ampere
Vaporation -Temperature	= T_V	=	216.398 Kelvin
Magnetic - Field	= M_F	=	8.019754 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.011153 x 10^{-10} Watt
T.Modulated - Power	= P_{TRM}	=	0.022305 x 10^{-10} Watt
SideBands - Power	= P_{SBM}	=	0.005576 x 10^{-10} Watt

[$Fe_2 Ti O_3$]

The Energy Spectrum & the Waveform Signals in CHIPS

σ_1	= u_1/φ	=	0.259837 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	0.730704 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	2.44088 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.116295 x 10^{15} Hz	con.Frequency Modulation
E dF_1	= h x fw_1	=	0.48094997 eV	

A SAMPLE FROM PROGRAM [106]

G_2 = 3.96336241

G_3 = 1.77352732

Mode - Shapes

$\Phi_1 =$ 1.15158672 x | 1 / 3.44165 / 1.54007 |

$\Phi_2 =$ 3.96336241 x | 0.29056 / 1 / 0.44748 |

$\Phi_3 =$ 1.77352732 x | 0.64932 / 2.23473 / 1 |

Modes Dynamic - Results

λ_1 = 1.15158672 nm	W_1 = 1.085496 x 10^{15} Hz	f_1 = 0.172762 x 10^{15} Hz	E_1 = 0.71447452 eV
λ_2 = 3.96336241 nm	W_2 = 1.170239 x 10^{15} Hz	f_2 = 0.186249 x 10^{15} Hz	E_2 = 0.7702526 eV
λ_3 = 1.77352732 nm	W_3 = 1.51502 x 10^{15} Hz	f_3 = 0.241123 x 10^{15} Hz	E_3 = 0.99718734 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 1.085496 x 10^{15} Hz	U_1 = 0.473694 x 10^5 m/s	λ_1 = 2.741885 x 10^{-10} m	A_1 = 0.436384 x 10^{-10} m
W_2 = 1.170239 x 10^{15} Hz	U_2 = 0.531244 x 10^5 m/s	λ_2 = 2.852327 x 10^{-10} m	A_2 = 0.453962 x 10^{-10} m
W_3 = 1.51502 x 10^{15} Hz	U_3 = 0.854833 x 10^5 m/s	λ_3 = 3.545215 x 10^{-10} m	A_3 = 0.564238 x 10^{-10} m

Circular - Frequency	= W_R	=	1.885378 x 10^{15} Hz
Resonance - Energy	= E_R	=	1.2409572302729786 eV
Resultant - Velocity	= U_R	=	1.324308 x 10^5 m/s
Resultant - λ	= λ_R	=	4.413371 x 10^{-10} m
Re Helical - r = A_R	= r_R	=	0.7024097629 x 10^{-10} m
Bands UL - Amplitude	= A_{RB}	=	0.351205 x 10^{-10} m
Resultant - Potential	= V_{RP}	=	39.765 x 10^{-20} Volt
LC - Circuit Potential	= V_{LC}	=	0.007068 x 10^{-6} Volt
Intensity - Current	= I_C	=	3.75 x 10^{-4} Ampere
Vaporation -Temperature	= T_V	=	245.029 Kelvin
Magnetic - Field	= M_F	=	7.35963 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.026493 x 10^{-10} Watt
T.Modulated - Power	= P_{TRM}	=	0.052986 x 10^{-10} Watt
SideBands - Power	= P_{SBM}	=	0.013247 x 10^{-10} Watt

[$Fe_2Ti_2O_3$]

The Energy Spectrum & the Waveform Signals In CHIPS

σ_1	= U_1/φ	=	0.292759 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	0.799882 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	2.970874 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.127305 x 10^{15} Hz	con.Frequency Modulation
$E\,dF_1$	= h x fw_1	=	0.52648271 eV	

G_2 = 2.32245173

G_3 = 1.6118989

A Sample from Program [106]

Mode - Shapes

$\Phi_1 =$ 1.08951687 x | 1 ; 2.13163 ; 1.47946 |

$\Phi_2 =$ 2.32245173 x | 0.46912 ; 1 ; 0.69405 |

$\Phi_3 =$ 1.6118989 x | 0.67592 ; 1.44082 ; 1 |

Modes Dynamic - Results

λ_1 = 1.08951687 nm	w_1 = 1.115988 x 10^{15} Hz	f_1 = 0.177615 x 10^{15} Hz	E_1 = 0.73454447 eV
λ_2 = 2.32245173 nm	w_2 = 1.528739 x 10^{15} Hz	f_2 = 0.243306 x 10^{15} Hz	E_2 = 1.00621716 eV
λ_3 = 1.6118989 nm	w_3 = 1.835007 x 10^{15} Hz	f_3 = 0.29205 x 10^{15} Hz	E_3 = 1.20780317 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 1.115988 x 10^{15} Hz	u_1 = 0.480301 x 10^5 m/s	λ_1 = 2.704167 x 10^{-10} m	A_1 = 0.430382 x 10^{-10} m
W_2 = 1.528739 x 10^{15} Hz	u_2 = 0.607188 x 10^5 m/s	λ_2 = 2.495572 x 10^{-10} m	A_2 = 0.397183 x 10^{-10} m
W_3 = 1.835007 x 10^{15} Hz	u_3 = 0.814744 x 10^5 m/s	λ_3 = 2.789739 x 10^{-10} m	A_3 = 0.444001 x 10^{-10} m

Circular - Frequency	= W_R	=	2.239867 x 10^{15} Hz
Resonance - Energy	= E_R	=	1.4742823982197104 eV
Resultant - Velocity	= u_R	=	1.346644 x 10^5 m/s
Resultant - λ	= λ_R	=	3.777553 x 10^{-10} m
Re Helical - r = A_R	= r_R	=	0.6012161732 x 10^{-10} m
Bands UL - Amplitude	= A_{RB}	=	0.300608 x 10^{-10} m
Resultant - Potential	= V_{RP}	=	47.241 x 10^{-20} Volt
LC - Circuit Potential	= V_{LC}	=	0.011851 x 10^{-6} Volt
Intensity - Current	= I_C	=	5.29 x 10^{-4} Ampere
Vaporation -Temperature	= T_V	=	280.183 Kelvin
Magnetic - Field	= M_F	=	7.642991 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.062698 x 10^{-10} Watt
T.Modulated - Power	= P_{TRM}	=	0.125396 x 10^{-10} Watt
SideBands - Power	= P_{SBM}	=	0.031349 x 10^{-10} Watt

[$Fe_2 Ti_2 O_4$]

The Energy Spectrum & the Waveform Signals. In CHIPS

σ_1	= u_1/φ	=	0.296842 x 10^5 N/mm^2	
Δw_1	= $W_R - W_1$	=	1.123879 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	3.355856 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	0.178871 x 10^{15} Hz	con.Frequency Modulation
E_{dF_1}	= h x fw_1	=	0.73973793 eV	

G_2 = 1.63316123

G_3 = 1.47726959

A Sample From Program [106]

Mode - Shapes

$\Phi_1 =$ 1.03379587 x | 1 / 1.57977 / 1.42898 |

$\Phi_2 =$ 1.63316123 x | 0.633 / 1 / 0.90455 |

$\Phi_3 =$ 1.47726959 x | 0.6998 / 1.10553 / 1 |

Modes Dynamic - Results

λ_1 = 1.03379587 nm	W_1 = 1.145669 x 10^{15} Hz	f_1 = 0.182339 x 10^{15} Hz	E_1 = 0.75408044 eV
λ_2 = 1.63316123 nm	W_2 = 1.823023 x 10^{15} Hz	f_2 = 0.290143 x 10^{15} Hz	E_2 = 1.19991515 eV
λ_3 = 1.47726959 nm	W_3 = 2.347591 x 10^{15} Hz	f_3 = 0.373631 x 10^{15} Hz	E_3 = 1.54518618 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 1.145669 x 10^{15} Hz	u_1 = 0.486646 x 10^5 m/s	λ_1 = 2.668909 x 10^{-10} m	A_1 = 0.42477 x 10^{-10} m
W_2 = 1.823023 x 10^{15} Hz	u_2 = 0.66306 x 10^5 m/s	λ_2 = 2.285287 x 10^{-10} m	A_2 = 0.363715 x 10^{-10} m
W_3 = 2.347591 x 10^{15} Hz	u_3 = 0.752433 x 10^5 m/s	λ_3 = 2.013843 x 10^{-10} m	A_3 = 0.320513 x 10^{-10} m

Circular - Frequency	= W_R =	2.658141 x 10^{15} Hz	
Resonance - Energy	= E_R =	1.7495908826554236 eV	
Resultant - Velocity	= u_R =	1.353356 x 10^5 m/s	
Resultant - λ	= λ_R =	3.198996 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	0.5091360026 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.254568 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	56.063 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.019806 x 10^{-6} Volt	
Intensity - Current	= I_C =	7.45 x 10^{-4} Ampere	
Vaporation -Temperature	= T_V =	314.368 Kelvin	
Magnetic - Field	= M_F =	7.384311 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.147582 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.295164 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.073791 x 10^{-10} Watt	

2 [$FeTiO_3$]

The Energy-Spectrum & The Waveform-Signal In CHIPS

σ_1 = u_1/φ	=	0.300764 x 10^5 N/mm²	
Δw_1 = $W_R - W_1$	=	1.512472 x 10^{15} Hz	min.Amplitude Modulation
Σw_1 = $W_R + W_1$	=	3.803811 x 10^{15} Hz	max.Amplitude Modulation
fw_1 = $\Delta W_1/2\pi$	=	0.240717 x 10^{15} Hz	con.Frequency Modulation
E dF_1 = h x fw_1	=	0.99551045 eV	

THE ENERGY IN CLEFT of CHIP , For Element = [Mg Si O5]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	1.815047 x 10^{15} Hz
Energy	=	Q_0	=	1.9140 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	5.50950043 x 10^{-16} Farad/s
Current	=	I_C	=	3.47 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	3.0354 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	6.30572311 x 10^{-8} Volt
Voltage across Inductor	=	V_L	=	3.4741 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	1.2069 x 10^{-26} Watt
Maximum Flowing Current	=	I_{max}	=	3.47 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	8.6543 x 10^{-16} s
Radiation - Thermal	=	T_K	=	2.80 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.462009 x 10^{-10} m

THE ENERGY IN CLEFT of CHIP , For Element = [Fi Ti O3]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	1.331233 x 10^{15} Hz
Energy	=	Q_0	=	1.4038 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	7.51183336 x 10^{-16} Farad/s
Current	=	I_C	=	1.87 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	5.6427 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	2.48790462 x 10^{-8} Volt
Voltage across Inductor	=	V_L	=	1.8688 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	3.4926 x 10^{-27} Watt
Maximum Flowing Current	=	I_{max}	=	1.87 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	1.1799 x 10^{-15} s
Radiation - Thermal	=	T_K	=	2.06 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.680988 x 10^{-10} m

THE ACTION , of Cream VERNALIN = [C2 H4 O2]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	2.152543 x 10^{15} Hz
Energy	=	Q_0	=	2.2699 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	4.64566744 x 10^{-16} Farad/s
Current	=	I_C	=	4.89 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	2.1582 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	1.05178556 x 10^{-7} Volt
Voltage across Inductor	=	V_L	=	4.8862 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	2.3875 x 10^{-26} Watt
Maximum Flowing Current	=	I_{max}	=	4.89 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	7.2973 x 10^{-16} s
Radiation - Thermal	=	T_K	=	3.32 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.233106 x 10^{-10} m

THE ACTION , of Cream VERNALIN = 2.[C2 H4 O2]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	2.598434 x 10^{15} Hz
Energy	=	Q_0	=	2.7402 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	3.84847154 x 10^{-16} Farad/s
Current	=	I_C	=	7.12 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	1.4810 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	1.85014907 x 10^{-7} Volt
Voltage across Inductor	=	V_L	=	7.1202 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	5.0697 x 10^{-26} Watt
Maximum Flowing Current	=	I_{max}	=	7.12 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	6.0451 x 10^{-16} s
Radiation - Thermal	=	T_K	=	4.01 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.553616 x 10^{-10} m

G_2 = 8.08683693

G_3 = 1.12301858

Mode - Shapes

$$\Phi_1 = 1.60344357 \times \begin{vmatrix} 1 \\ 5.04342 \\ 0.70038 \end{vmatrix}$$

$$\Phi_2 = 8.08683693 \times \begin{vmatrix} 0.19828 \\ 1 \\ 0.13887 \end{vmatrix}$$

$$\Phi_3 = 1.12301858 \times \begin{vmatrix} 1.4278 \\ 7.20098 \\ 1 \end{vmatrix}$$

Modes Dynamic - Results

λ_1 = 1.60344357 nm	W_1 = 1.839839 x 10^{15} Hz	f_1 = 0.292819 x 10^{15} Hz	E_1 = 1.2109835 eV
λ_2 = 8.08683693 nm	W_2 = 1.158597 x 10^{15} Hz	f_2 = 0.184396 x 10^{15} Hz	E_2 = 0.76258932 eV
λ_3 = 1.12301858 nm	W_3 = 2.198433 x 10^{15} Hz	f_3 = 0.349891 x 10^{15} Hz	E_3 = 1.44701021 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 1.839839 x 10^{15} Hz	u_1 = 0.815816 x 10^5 m/s	λ_1 = 2.786073 x 10^{-10} m	A_1 = 0.443417 x 10^{-10} m
W_2 = 1.158597 x 10^{15} Hz	u_2 = 0.747546 x 10^5 m/s	λ_2 = 4.054017 x 10^{-10} m	A_2 = 0.645217 x 10^{-10} m
W_3 = 2.198433 x 10^{15} Hz	u_3 = 2.522343 x 10^5 m/s	λ_3 = 7.208929 x 10^{-10} m	A_3 = 1.147337 x 10^{-10} m

Circular - Frequency	= W_R =	2.598434 x 10^{15} Hz	
Resonance - Energy	= E_R =	1.7102915161391692 eV	
Resultant - Velocity	= u_R =	3.116582 x 10^5 m/s	
Resultant - λ	= λ_R =	7.536101 x 10^{-10} m	
Re Helical - r = A_R	= r_R =	1.1994077823 x 10^{-10} m	
Bands UL - Amplitude	= A_{RB} =	0.599704 x 10^{-10} m	
Resultant - Potential	= V_{RP} =	54.804 x 10^{-20} Volt	
LC - Circuit Potential	= V_{LC} =	0.018501 x 10^{-6} Volt	
Intensity - Current	= I_C =	0.712025 x 10^{-3} Ampere	
Vaporation -Temperature	= T_v =	280.713 Kelvin	
Magnetic - Field	= M_F =	2.155012 x 10^{-6} Tesla	
LC - Circuit - Power	= P_{LC} =	0.131735 x 10^{-10} Watt	
T.Modulated - Power	= P_{TRM} =	0.26347 x 10^{-10} Watt	
SideBands - Power	= P_{SBM} =	0.065868 x 10^{-10} Watt	

σ_1	= u_1/φ	= 0.504202 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	= 0.758595 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	= 4.438273 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	= 0.120734 x 10^{15} Hz	con.Frequency Modulation

G_2 = 2.00798243

G_3 = -1.20675389

Mode - Shapes

Φ_1 = -0.33422782 x | 1 ; -6.00783 ; 3.61057 |

Φ_2 = 2.00798243 x | -0.16645 ; 1 ; -0.60098 |

Φ_3 = -1.20675389 x | 0.27696 ; -1.66395 ; 1 |

Modes Dynamic - Results

λ_1 = -0.33422782 nm	W_1 = 2.467749 x 10^{15} Hz	f_1 = 0.392754 x 10^{15} Hz	E_1 = 1.62427441 eV
λ_2 = 2.00798243 nm	W_2 = 0.581275 x 10^{15} Hz	f_2 = 0.092513 x 10^{15} Hz	E_2 = 0.38259573 eV
λ_3 = -1.20675389 nm	W_3 = 1.298712 x 10^{15} Hz	f_3 = 0.206696 x 10^{15} Hz	E_3 = 0.85481345 eV

THE STIFFNESS - FINAL ENERGY - WAVEFORM SIGNAL

From modes

W_1 = 2.467749 x 10^{15} Hz	u_1 = 0.937532 x 10^5 m/s	λ_1 = 2.38707 x $10^{-1°}$ m	A_1 = 0.379914 x $10^{-1°}$ m
W_2 = 0.581275 x 10^{15} Hz	u_2 = 0.490218 x 10^5 m/s	λ_2 = 5.298922 x $10^{-1°}$ m	A_2 = 0.84335 x $10^{-1°}$ m
W_3 = 1.298712 x 10^{15} Hz	u_3 = 0.767828 x 10^5 m/s	λ_3 = 3.71476 x $10^{-1°}$ m	A_3 = 0.591222 x $10^{-1°}$ m

Circular - Frequency	= W_R	=	2.173868 x 10^{15} Hz
Resonance - Energy	= E_R	=	1.4308417953832786 eV
Resultant - Velocity	= U_R	=	1.63091 x 10^5 m/s
Resultant - λ	= λ_R	=	4.713859 x $10^{-1°}$ m
Re Helical - r = A_R	= r_R	=	0.7502340132 x $10^{-1°}$ m
Bands UL - Amplitude	= A_{RB}	=	0.375117 x $10^{-1°}$ m
Resultant - Potential	= V_{RP}	=	45.849 x $10^{-2°}$ Volt
LC - Circuit Potential	= V_{LC}	=	0.010834 x 10^{-6} Volt
Intensity - Current	= I_C	=	0.498354 x 10^{-3} Ampere
Vaporation -Temperature	= T_v	=	395.530 Kelvin
Magnetic - Field	= M_F	=	15.749679 x 10^{-6} Tesla
LC - Circuit - Power	= P_{LC}	=	0.053989 x $10^{-1°}$ Watt
T.Modulated - Power	= P_{TRM}	=	0.107979 x $10^{-1°}$ Watt
SideBands - Power	= P_{SBM}	=	0.026995 x $10^{-1°}$ Watt

[Zn V Fe]

Energy Spectrum & Waveform Signals in an Abundance Elements CHIP

σ_1	= u_1/φ	=	0.579427 x 10^5 N/mm²	
Δw_1	= $W_R - W_1$	=	-0.293881 x 10^{15} Hz	min.Amplitude Modulation
Σw_1	= $W_R + W_1$	=	4.641617 x 10^{15} Hz	max.Amplitude Modulation
fw_1	= $\Delta W_1/2\pi$	=	-0.046773 x 10^{15} Hz	con.Frequency Modulation

THE ABUNDANCE ELEMENTS Compound = [Zn V Fe]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	2.173868 x 10^{15} Hz
Energy	=	Q_0	=	2.2924 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	4.60009503 x 10^{-16} Farad/s
Current	=	I_C	=	4.98 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	2.1160 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	1.08335589 x 10^{-7} Volt
Voltage across Inductor	=	V_L	=	4.9835 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	2.4835 x 10^{-26} Watt
Maximum Flowing Current	=	I_{max}	=	4.98 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	7.2258 x 10^{-16} s
Radiation - Thermal	=	T_K	=	3.36 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	1.751699 x 10^{-10} m

THE ABUNDANCE ELEMENTS Compound = 2. [Zn V Fe]

LC - Chemical Coupling

Resonance - Frequency	=	W_0	=	1.515523 x 10^{15} Hz
Energy	=	Q_0	=	1.5982 x 10^{-19} J
LC - Circuit-Coupling	=	LC_{LC}	=	6.59838397 x 10^{-16} Farad/s
Current	=	I_C	=	2.42 x 10^{-4} Ampere
Inductance	=	L	=	1 x 10^{-19} Hz
Capacity	=	C	=	4.3538 x 10^{-12} Farad
Resonance-Voltage	=	V_R	=	3.67078383 x 10^{-8} Volt
Voltage across Inductor	=	V_L	=	2.4221 x 10^{-23} eV
Power of LC-System	=	P_{CL}	=	5.8666 x 10^{-27} Watt
Maximum Flowing Current	=	I_{max}	=	2.42 x 10^{-4} Ampere
Capacity Discharged Period	=	T_s	=	1.0364 x 10^{-15} s
Radiation - Thermal	=	T_K	=	2.34 x 10^{1} Kelvin
Radius In Cleft	=	r_{LC}	=	2.207002 x 10^{-10} m

The Dual Photon $\bar{v}\,[\frac{\sigma\Phi}{2\pi r}+\frac{\sigma}{2\pi r}] \equiv \bar{v}.[\,\boxed{\bar{f}_n}+f_n\,]$, occupies Stresses = σ and velocities $\bar{v}$, in The Tiny-caves **r**. The **Colours** in light, are the **Still-Sub-Units** in Storage $\rightarrow[\bar{v}\,.\boxed{\bar{f}_n}\,]\leftarrow$ and exist as Frequencies of → Violet, Blue, Green, with their Complementary Colors Yellow, Orange, Red ←

Every 8-electrons are **vibrations** on **Atoms-Cube-Structure** {**A Tetrahedron in Cube in a Sphere** } whether it be **Sound** or **Light**. Above Structure is followed by all Compounds. Molecules are Systems consisted of → **The PERIFERAL** ≡ ***Skeleton*** $\mathbf{M_{16}}$ and **The CENTRAL** ≡ ***Fittings*** $\mathbf{M_8}$, and the **ACCESSORIES** ≡ $\mathbf{M_4}$ or $\mathbf{M_2}$, $\mathbf{M_1}$. This Property of Atoms and of the Compounds is **The Critical-Valve of Switching the motion** as this happens in the Electro-magnetic Solenoid Valves with High or low Pressure and flow rates directly or Not.

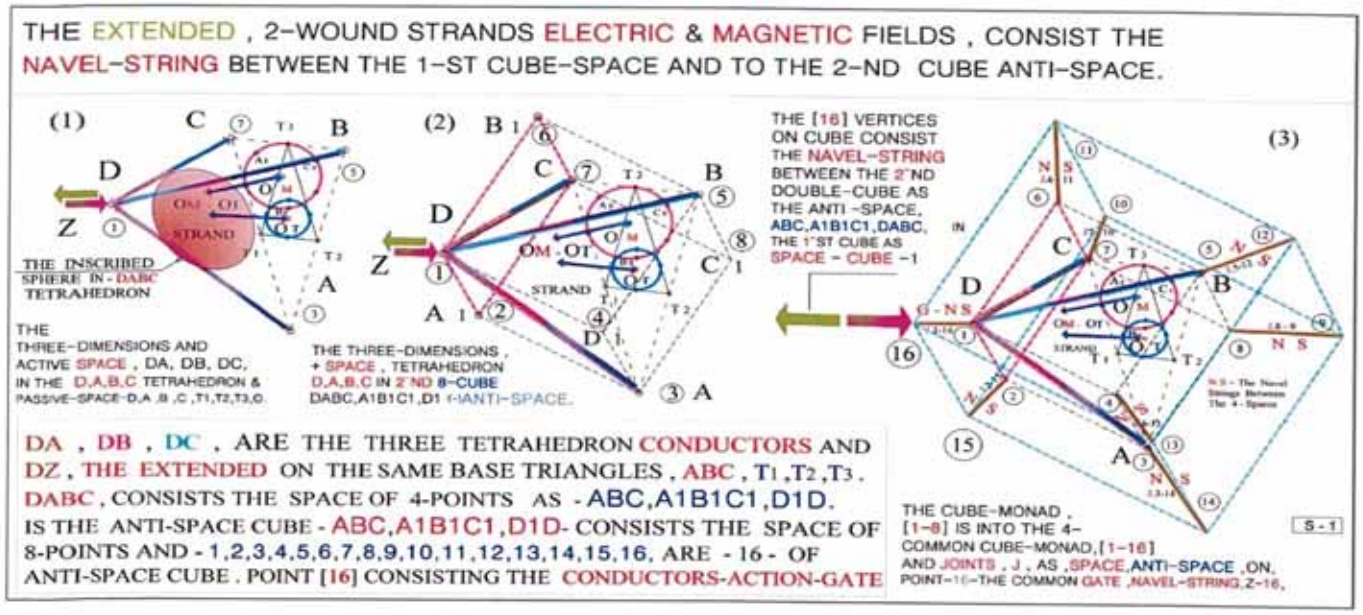


Figure - 29- :The Electric - Magnetic Field of 3, Conductors Results on **2 -Anti-Parallel-Strands .The Stability** of →{ ⊕ 4-**Space** [D A B C]} Regular - ***Tetrahedron*** , **IN** {⊖ 8-**Anti-Space *Cube*** , [$DA_1B\,D_1$, $C\,C_1AB_1$]}, and The →{ ⊕ 8- **Space** [DA_1BD_1 , CC_1AB_1]} ***Cube*,** **INTO The** {⊖ 16-**Anti-Space** [1 ,2 ,3 ,4 ,5 , 6, 7, 8 - 9 ,10 ,11, 12 , 13 ,14 , 15, 16]} ***Sphere Cube Vertices*** . Point [**16** ≡ |⇉|**Z**|] consists the **Navel-String** Gate in {Z-(ΔD,ABC),Δ[T1 T2 T3]} Stationary Bases . Stability Analysis in [88]

17d.. The Prior Conclusions [89]

1... Atom Structure is The Quantization - Process of frequency f_{ph} and Gravity g , in Energy Hydrogen Cave . Atom Cave is a Potential of 13,60 eV becoming from the Energy-Cave and Kepler equation , $a^3\,f^2\,g = 1$, or from $a = \sqrt[3]{1/g\,f^2} = 2{,}1127839.10^{-11}$ m , and the Planck cave as $\mathbf{L_p} \equiv e^{-i.\left(\frac{5\pi}{2}\right).10} \equiv \sqrt{3}.\pi.\,\mathbf{1,616199}.10^{-35}$ m . The why such was prior referred in 6d .

The Nucleus Protons are held together by the Spin-Paring of the Spins into the Nucleus becoming from the Ceba`s Energy triangle .

The Light velocity vector $\bar{v} = \bar{c}$ is Acting on Planck`s-cave , $r = L_p$, and finds Impedance

$=1{,}05459.\ 10^{-34}\ Js^{-1} = 4{,}135626.10^{-15}\ eVs^{-1}$ and it is The Energy of a Photon $= |\overline{w}\ .\ r|^2$ for the Positive and Negative scalar Breakage magnitudes Particles.

Quantity $\rightarrow 2|\overline{w}, r|^2 = 2.[\ |\overline{w}, r|^2 = ½$ Spin$] =$ Spin 1 and equal to $2.[\ 4{,}135626.10^{-15}\ eVs^{-1}] =$
$= 8{,}271252.10^{-15}\ eVs^{-1}$. Spin Anti-Spin is the Rotational equilibrium of Spaces.

Spin is an Intrinsic Property of the three Breakage Quantities $= 8{,}271252.10^{-15}\ eVs^{-1}$ for Leptons and Quarks and double $1{,}31644.10^{-15}\ eVs^{-1}$ for the Vector Breakage magnitude Particles. Angular velocity $w = 2{,}5656.10^{-8}\ eVs^{-1}/1{,}9845.10^{-62}\ m = 2{,}58564.10^{-54}\ eV/m$ of the Rotational Energy Λ is a common Property of all breakages resulting from the Action of velocity vector, $\overline{v}$, on the breakages. Energy is equal to the velocity vector $\overline{v} = \overline{w}\ .\ r$, or $E = w.r\ G = 2{,}5656.10^{-8}\ eVs = 2{,}5656.10^{-27}\ Js$.

8d.. The Vibration of Particles in all Levels [54].

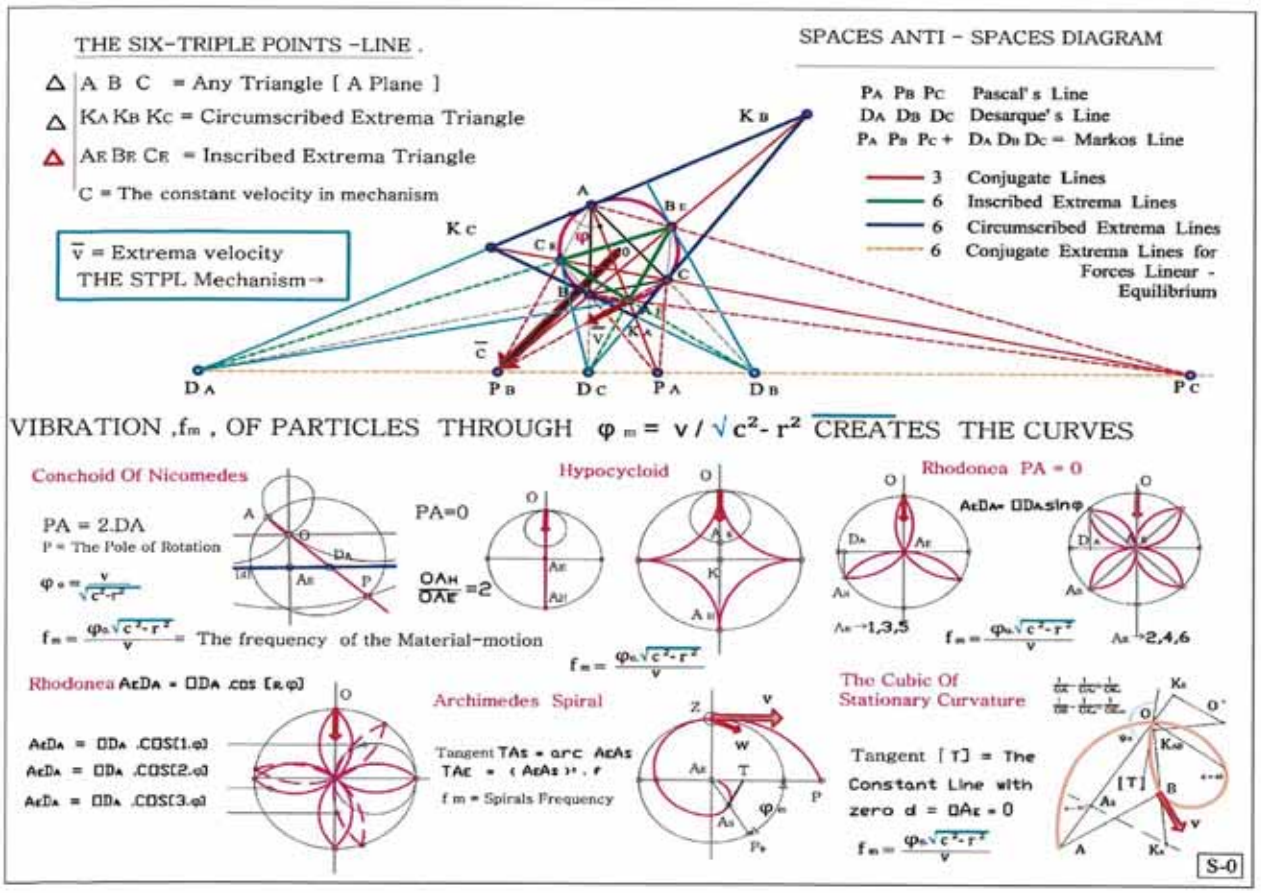


Figure - 22- : The Glue-Bond Electrons of Nucleus Rotor, form Rhodonea-like - Curves Curves created by Rotor`s electron are such that they keep a continuous Pressure on Protons.

1.. The Continuous action of Negative ⊖, on ***One*** Positive ⊕, is equivalent to a Circular motion of the ⊖, ⊕, with velocity $v = \sqrt{F.\ r/m}$, and this because exists $l = r =$ constant.

Conductors AP_A, BP_B, CP_C, $A\ D_A$, BD_B, $C\ D_C$, $AB\ D_C$, BCD_A, CAD_B, CBP_EP_A, CA_EP_A AC_EP_B, CA_EP_B, AB_EP_C, BA_EP_C, carry Information to $D_A\ P_B\ D_C\ P_A\ D_B\ P_C$, [STPL] line.

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