

Benzoic Acid and Alzheimer Disease and Schizophrenia

Paul T E Cusack*

BScE, DULE 23 Park Ave. Saint John, NB E2J 1R2, Canada

*Corresponding author: Paul T E Cusack, BScE, DULE 23 Park Ave. Saint John, NB E2J 1R2, Canada

Submitted: 22 April 2025 Accepted: 28 April 2025 Published: 05 May 2025

doi <https://doi.org/10.63620/MKJPNR.2025.1066>

Citation: Cusack, P. T. E. (2025). Benzoic acid and alzheimer disease and schizophrenia. J Psych and Neuroche Res, 3(3), 01-08.

Abstract

In doing some research on the new color detected olo, from the calculations, I realized that there is a connection between Sz and AD and benzoic acid. This long paper isa compilation of some previous [papers that indicate that benzoic acid may be a cause of SZ and AD. Benzoic acid is used extensively in industries such as food, pharmaceuticals, and cosmetics. It is worthwhile to study the possible connection.

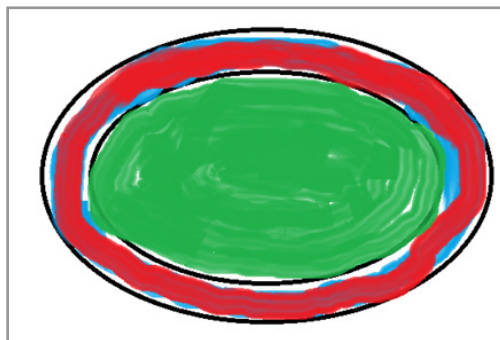


Figure 1: Afterglow on Retina after Staring at a Led Light

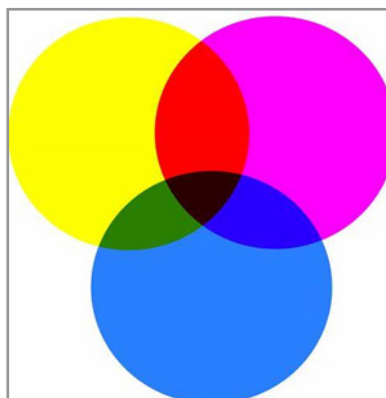


Figure 2: Yellow, Cyan, and Magenta

Greenish -Blue 510 nm Magenta = pure blue and red =685 nm + 412.5 nm SUM = 535 E = h nu = 6.626(535) =35.3 = i = current of the human nervous system

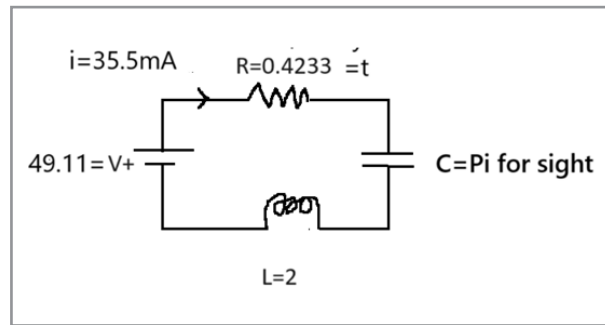


Figure 3: The R_L_C nervous system circuit

R-L-C circuit

$$V+ = iR = (35.3) (0.4233 + 1/\pi \cdot 2) = 44.4 \text{ Vol} = 4/3\pi R^3 \quad S = 4/3(\pi)(44.4)^3 \quad S = 367 = 1 - F \quad t = 1 - t \quad 2t - 1 = 0 = dE/dt (0.5)^2 - (0.5) - 1 - 1.25 \quad 1.25/6.626 = 1/530 \text{ mm}$$

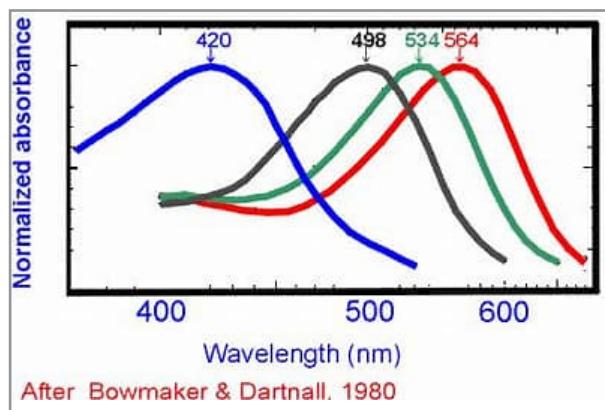


Figure 4: Magenta, (Red and Blue) and Cyan and Yellow (Green)

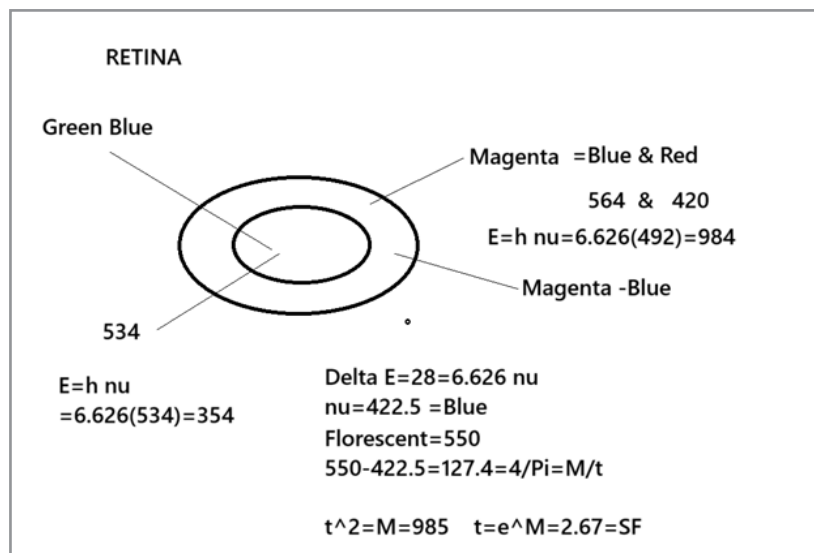


Figure 5: The Retina

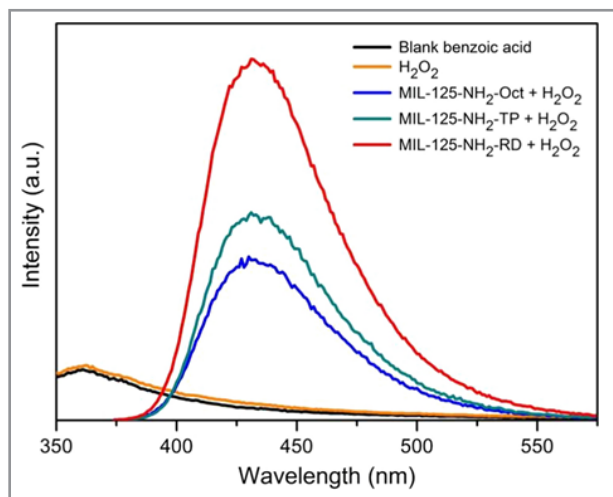


Figure 6: Benzoic Acid and Water.

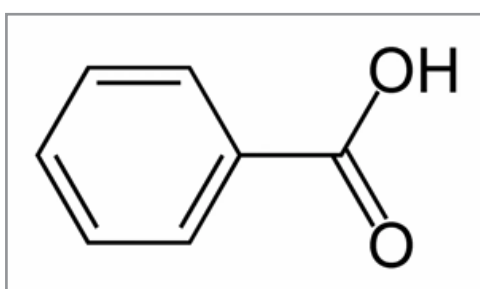


Figure 7: Benzoic Acid

Benzene = 60 degrees x 6 = 360 degrees

Carbonic Acid = $1/2.67 = 1/F = E$

Benzoc acid = 310 mm $E = h\nu = 6,626(310) = 2054 \text{ T} = e^M = e^{0.205} = 1228 \text{ GMP}$; $E = -0.7199$ $1 - 0.7199 = 28 = \Delta E$ Fluorescent Light 550 mm $550 - 28 = 522 \text{ GMP}$; $E = 2.719 = e^1 = 1/367$ $E = 1 - F$ $1/t = 1/(1-t)$ $2t - 1 = 0 = dE/dt$

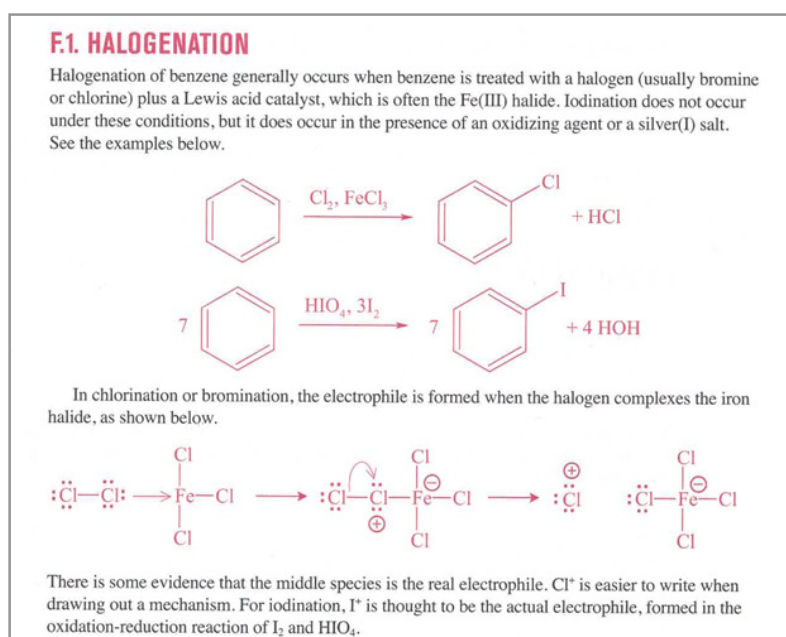


Figure 8 Barron's Organic Chemistry

Here are the basic reactions that govern SZ and AD:

We now show why benzene is formed from 6 carbon atoms. The answer is not because its most stable; it is because it conserves energy. It follows AT Math.

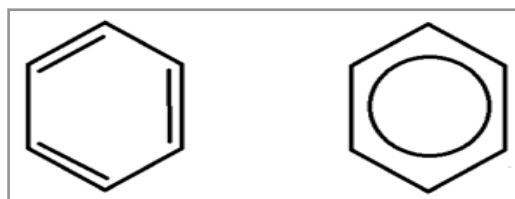


Figure 9 Benzene

C-C 346

$$C = C \ 602 \ (3)346 + 3(602) = 2844 \ E^2 + E - 2 = t$$

$$2844^2 + 2844 - 2 = 0.80911 = 1/1.23591 \ 1.23591/2 = 0.6179 \approx 0.618 = \sqrt{(-1) = i} \ t = 1 + i = 1.618 \ t - 1 = i \ \pi - 1 = 0.618 \chi \ \chi = 346 = C - C$$

$$\begin{aligned} \text{Bond Length } \ell &= 2.91 \text{ \AA} \times 52.9177 \text{ pm} = 15399 \approx 154 \ 346 \times 6 = \\ &= 2076 \ E^2 + E - 2 = t \ 2076^2 + 2076 - 2 = 4311850 = t \ 431/154 = 27.999 \\ &= 28 \ 28/6 = 46666 = 1/2.142 = 1/(t-1) \ t = 1/(t-1) \ (t-1) = 1/t \ t^2 - t - 1 \\ &= 0 \ \text{GMP } (1/7)^2(1/7) - 1 = -11.22 = v \ \text{escape } t^2 - t - 1 = E \ 2t - 1 = 0 \\ &t = 1/2 \ E = -1.25 \end{aligned}$$

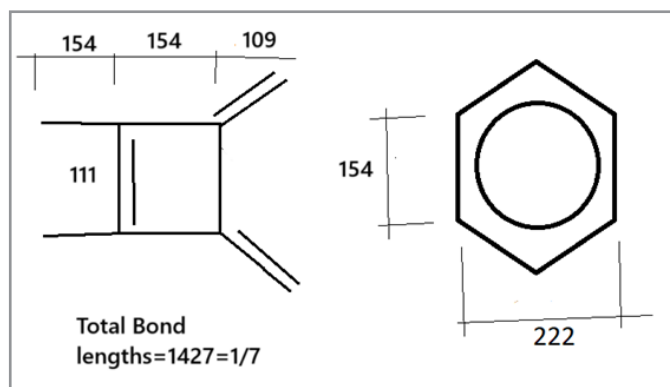


Figure 10 Benzene

Carboxylic Acid and AT Math

Amino acids are carboxylic acids. The account for the protein in your body as well as in bananas and other life forms. The very mathematics that describes the macro universe -the Superforce- is present in organic molecules. In this brief paper, we provide the calculations for carboxylic acids.

Grave Disease & Alzheimer Disease: The Link

In this section, we show that Grave disease is linked to Alzheimer Disease though Iodo propane, an organic molecule.

A patient had Grave Disease and AD. She also had partial glaucoma in one eye. DYS 391=12 is the Jewish Haplogroup J. It has a frequency of 1.3222% . The Irish have DYS391=10 in 67% of that population.

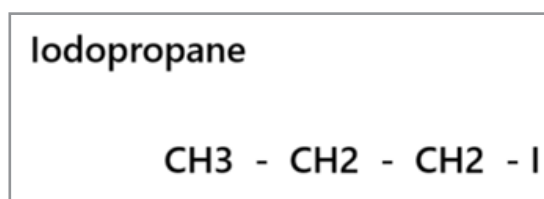


Figure 11 Organic molecule

$172.00 \text{ g/mol} \times 6.022 = 1035.784 \text{ t} = \text{eM} = \text{e}0.1035 = 11091 \approx 111$
 $\text{Beta amyloid} -1.09 \times 1.3222\% (\text{DYS } 391 \text{ freq}) = 1/\text{Ln } 2 = 1/\text{M}$
 $= \text{c}^2 \ 1.602/11091 = 1/\text{Ln } 2$

Gonorrhea causes glaucoma when a baby is exposed to the bacterium during the birthing process.

Gonorrhea

$0.9\% \text{ Female } 0.7\% \text{ male Avg} = 0.8\% \text{ t} = 90\% \ 0.90^2 - 0.90 - 1 =$
 $-1.09 \text{ t} = 11091 = 1 + \text{E} \text{ t} = 1 + 1/\text{t} \text{ t}^2 - \text{t} - 1 = 0 \text{ GMP } 1 - \text{E} = \text{t}^2 - \text{t} - 1 \text{ t}^3 -$
 $\text{t}^2 - 1 = 0 \ 0.16 \times 1.3222 = 472 \ 0.84 \times 1.3222 = 1110684 \text{ t}^2 = \text{t} \text{ t} = 1$
 $\text{t} = \text{t} = 1 + 1/\text{t} \text{ t}^2 - \text{t} - 1 = 0 \text{ t} = 0.16 \text{ t}^3 - \text{t}^2 - 1 = 0 \ 0.16^3 - 0.16^2 - 1 = -1.1341$
 $0.84^3 - 0.84^2 - 1 = -1.1341 \ 0.84 \times 1.3222 = 1.110684 \approx 1.11$

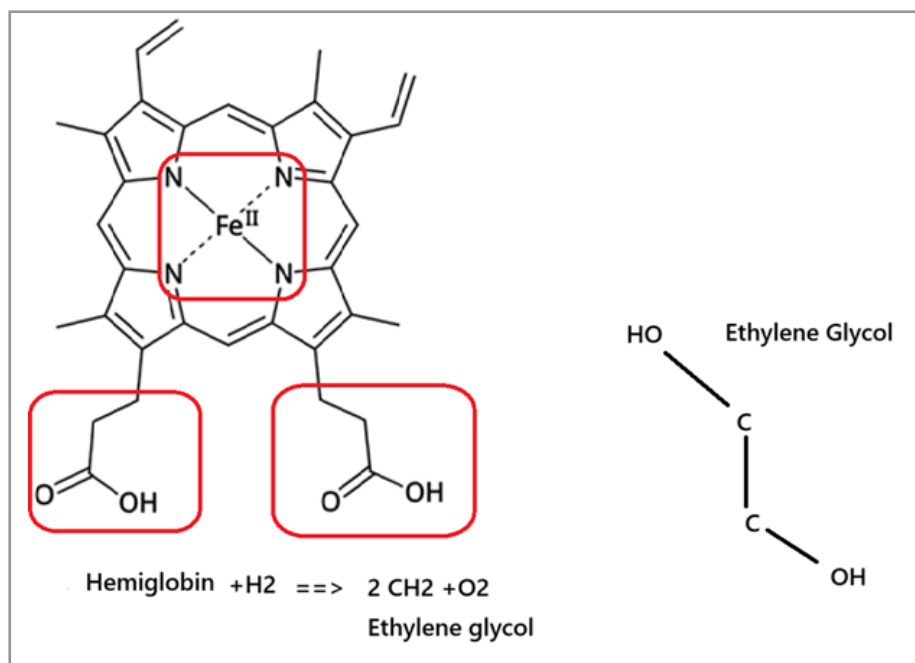


Figure 12 Hemoglobin and Ethylene Glycol formation

There are patients who have Grave Disease and are Lactose intolerant who develop Alzheimer Disease.

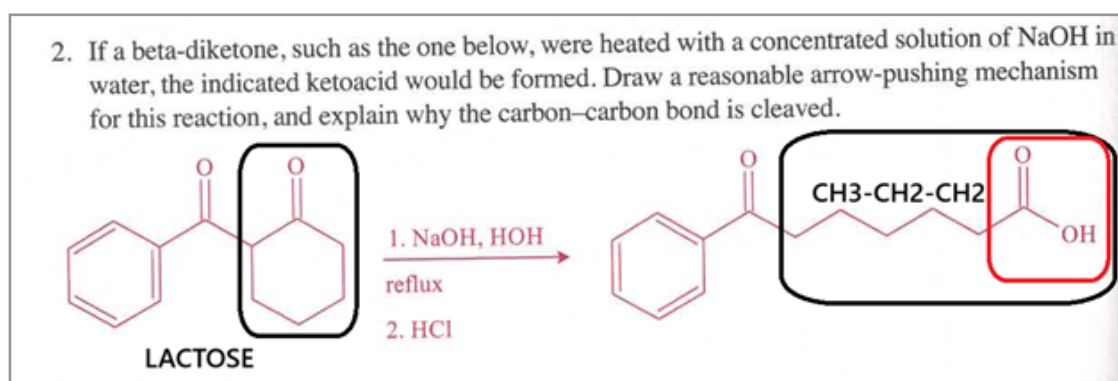


Figure 12 Lactose Intolerance and Ad And Grave Disease.

Iodopropane

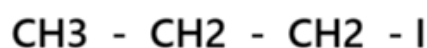


Figure 13 Iodopropane is a Component of Beta Amyloid Plaque Found in the Brains of Patients with AD.

Grave Disease is a disease of the immune system. As we have shown, the immune system responds to the chronic HSC infections.

$(206.75 \times 6.022) = 113.25$ $\text{Fe}(\text{OH})_2 = \text{FeO} + \text{H}_2\text{O}$ $dM = 113.25 - 99.25 = 55.695 = \text{Fe} + 2e = \text{FeO}$ Fe is a catalyst $55.695 - 55.845 = 1.5 = dM = t^2 - t - 1 = E = -0.25$ Catalyst GMP

Here are the basic reactions that govern SZ and AD:

$\text{NaOH} + \text{HCl} = \text{NaCl} + \text{HOH}$ $T = e^M = e^{\wedge} (40.00 + 36.46 \times 6.022)$
 $= 99,925$ $\text{FeCl}_2 + 2 \text{NaOH} = \text{Fe}(\text{OH})_2 + 2 \text{NaCl}$ $t = e^M = e^{\wedge}$

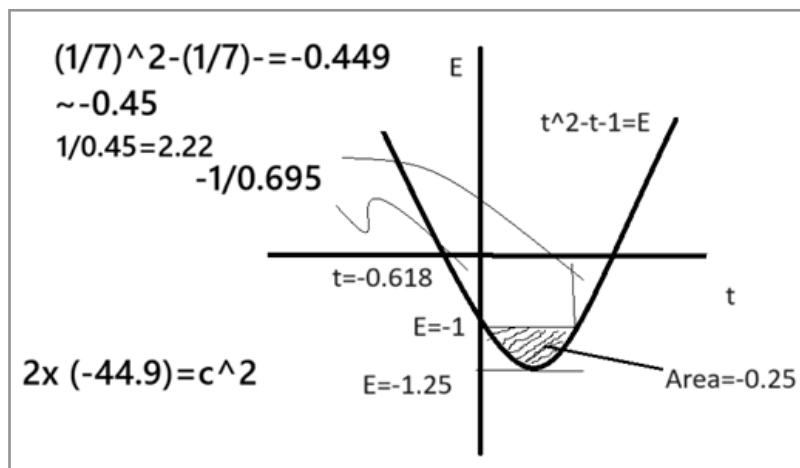


Figure 14 Golden Mean Parabola (GMP)

So, this is the causal link between Grave Disease and AD. Partial glaucoma is caused by the Gonorrhea bacterium which may be contracted at birth.

Benzoic acid is a fungicide and antibacterial that destroys Lactic Acid bacterium which leads to a lack of the signalling molecule on the brain.

Lactic acid is not only a byproduct of metabolism but also acts as a signaling molecule with effects on brain function¹. It is involved in the energy supply to neurons and supports axonal function²³⁴⁵.

Lactic acid, or lactate, causes cells in the brain to release more noradrenaline, a hormone and neurotransmitter which is fundamental for brain function. Noradrenaline helps control stress, pain, and appetite and can motivate us to get out of bed in the

morning. However, if lactate accumulates in the brain, the brain becomes more acidic and more prone to panic.

HSV-1 & HSV-2: The Cause of Alzheimer Disease, Down Syndrome & Schizophrenia

I live in a special care home. My roommate has Down Syndrome. I noticed that he had a bad case of oral harpies. Patients with DS are guaranteed to get AD. Patients with SZ are 25 x's more likely to get AD.

After putting it all together, I realized that beta amyloid is caused by an immune response to a chronic infection that lives in the trigeminal nerve. When exposed to lysine in beer, or under a lot of stress, or sit in the sun (which is essential to get your calcium), the herpes would be acute. Anyway here is the solution to the never-ending problems of AD, SZ and DS.

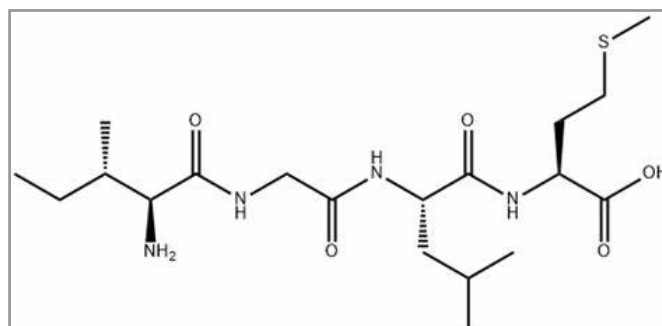


Figure 15 Beta Amyloid protein plaque found in AD patients.

It has been noticed since 2007 that Beta Amyloid is caused by Genital and Oral herpes.

Herpes Simplex Virus Infection Causes Cellular Beta-Amyloid Accumulation and Secretase Upregulation.

Neurosci Lett. 2007 Dec 18;429 (2-3):95-100. PubMed. Rouleau N, Cantley WL, Liaudanskaya V, Berk A, Du C, Rusk W, Peirent E, Koester C, Nieland TJ, Kaplan DL.



The general function of norepinephrine is to mobilize the brain and body for action. Norepinephrine release is lowest during sleep, rises during wakefulness, and reaches much higher levels during situations of stress or danger, in the so-called fight-or-flight response. In the brain, norepinephrine increases arousal and alertness, promotes vigilance, enhances formation and retrieval of memory, and focuses attention; it also increases restlessness and anxiety. Source: Wikipedia

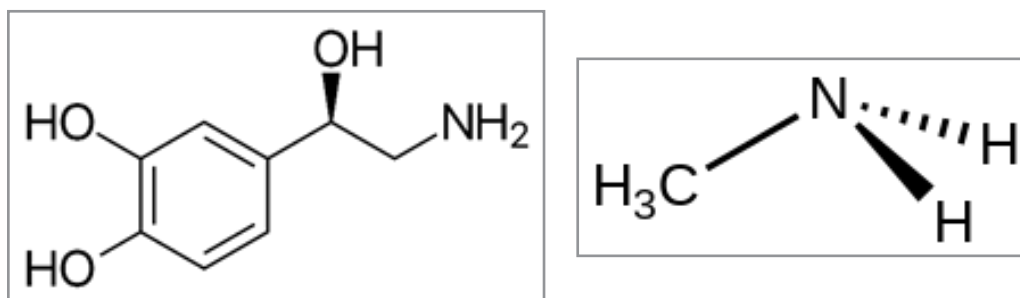


Figure 16 (a) Norepinephrine Note: (H₂O)₂ 2 (b) Methylamine

Stress is known to trigger SZ.

Lysine from beer and nuts is an essential amino acid. It is known to aggravate HSV-1. Also, sitting in the sun or UV rays also con-

tributes to outbreaks of HSV-1. The Ultraviolet rays stimulate the Lysine a-Beta Amyloid reaction.

Implications of Stereoisomerism 67

E. Implications of Stereoisomerism

If you buy generic ibuprofen at the store for relief of headache pain, you are buying the following material. It has one stereocenter, so it has two stereoisomers, which are enantiomers.

(S)-(+)-Ibuprofen	(R)-(-)-Ibuprofen
--------------------------	--------------------------

The pain-relieving and anti-inflammatory effects of ibuprofen are solely due to the S-enantiomer: the R-enantiomer has no effect. However, the R-enantiomer is slowly metabolized to the S-enantiomer in the body, so it is not a total waste.

Why is the R-enantiomer inactive, while the S-enantiomer is active? It has to do with how well the two enantiomers bind to the receptor. A crude example of this is trying to put your hands in a

Figure 17 Source: EZ Organic Chemistry Barrons

The Ibuprofen molecule is similar in structure to benzoic acid. This may be why those who take ibuprofen are less susceptible to AD.

Benzoic acid + C₆H₁₃ Ibuprofen

Hexyllithium C₆H₁₃Li would NOT be possible for Alzheimer Disease and Schizophrenia and other nervous disorders treatment since Lithium ignites with water.

Lithium causes neurological disorders accumulating in the brain, blood and tissue..

In vitro studies have shown an inhibitory effect of lithium salts on herpes simplex virus (HSV) replication by mechanisms that interfere with viral DNA synthesis. Moreover, clinical studies have shown that oral lithium carbonate and topical lithium succinate can suppress genital HSV infections in humans.

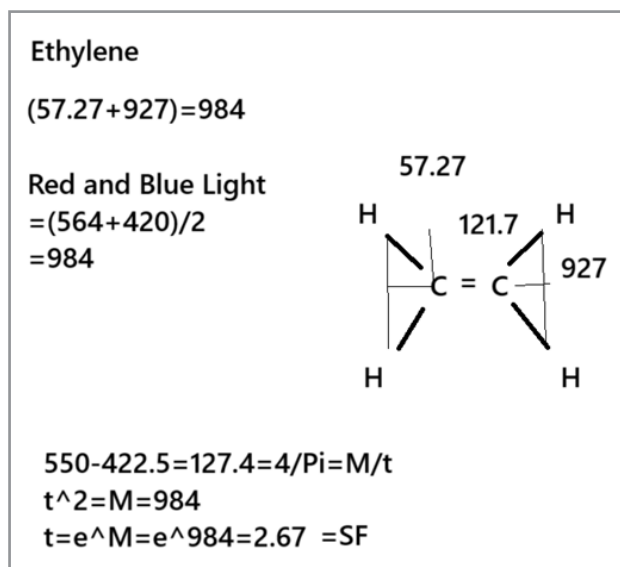


Figure 18 Ethylene Stimulated by Red and Blue Light

When ethylene is stimulated by red and blue light (magenta) it makes ethylene glycol which binds oxygen. 6 e- are necessary which come from Fe³⁺. Ethylene glycol become glucose. It is also used as a food stock in farming which explains why rural living is a risk factor for AD.

The angles between H-C in ethylene:

$t = e^M = e^{(M3e^-)} = e^{(3 \times 511)} = 116.6$ degrees
 $t = e^{(0.5546)} = 121.8$ degrees $C_6H_{13}Li = 92.1097 \times 6.022 = 55.46$
 $Fe \ 55.845 - 55.468 = 0.377 = IR \ Intensity \ Delta \ M = 0.377$

$t = e^M = e^{0.377} = 14579 \ GMP: E = 3324 = 1/3008 = 1/t = 3 \ y = y'$
 resonant $freq = t = 3217 = 1/3208 \ 3217/377 = 1/121.3 \ degrees = 1/E = t \ 3 \ C_2H_4O_2 = C_6H_{12}O_6 \ C_6H_{12}O_6 + O_2 \ CO_2 + H_2O \ Fe$
 $(OH)_3 + NaCl \ NaOH + FeCl_3 \ HCl + NaOH \ NaCl + H_2O$

Conclusion

Benzoic acid which is used as a food preservative, pharmaceutical, and cosmetic industries may be a causer of serious nervous disorders including schizophrenia and Alzheimer disease.