

INTOXICACIONES POR NUEVAS DROGAS DE DISEÑO

Dr. Miguel Galicia Paredes
Servicio de Urgencias
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RESEARCH CHEMICALS (RC'S)

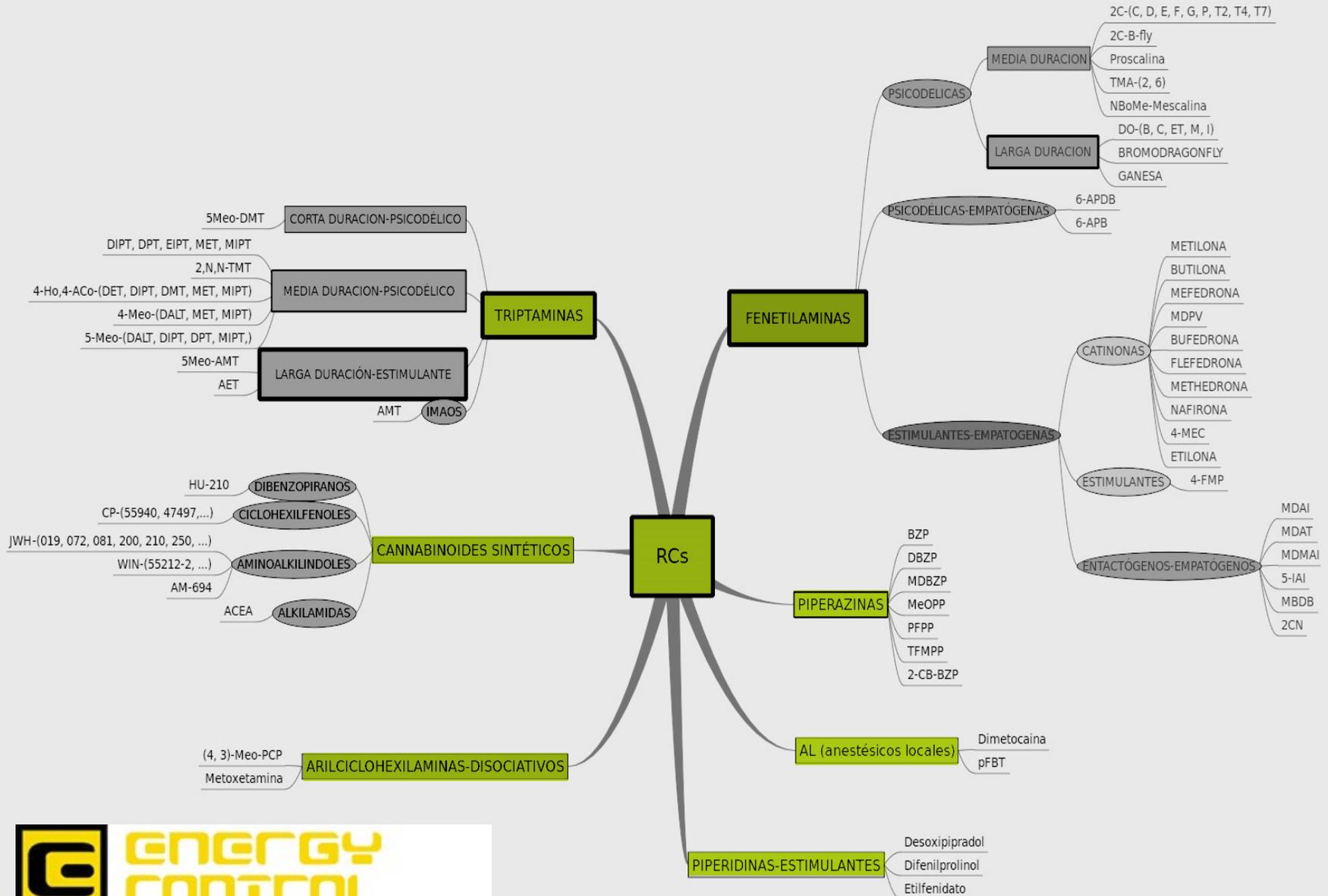
“Legal Highs” o “Nuevas sustancias de síntesis”

Sustancias químicas derivadas de feniletaminas o triptaminas. Sintetizadas desde los años 70 por A. Shulgin.

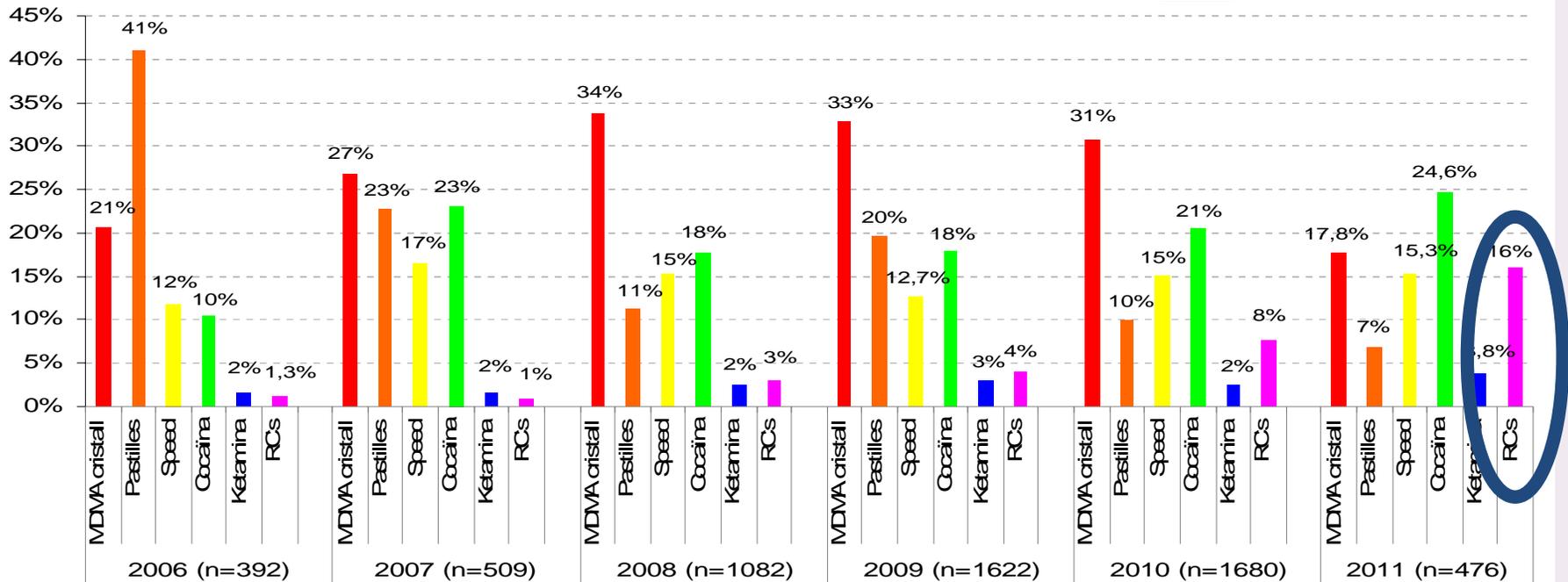
Etiquetadas como “productos agrícolas” o de “investigación para uso no humano”, lo que les proporciona una situación pseudolegal que posibilita su comercio *on line*.

Escasa investigación clínica en humanos. Poca información científica.

RESEARCH CHEMICALS



Tipos de sustancias analizadas



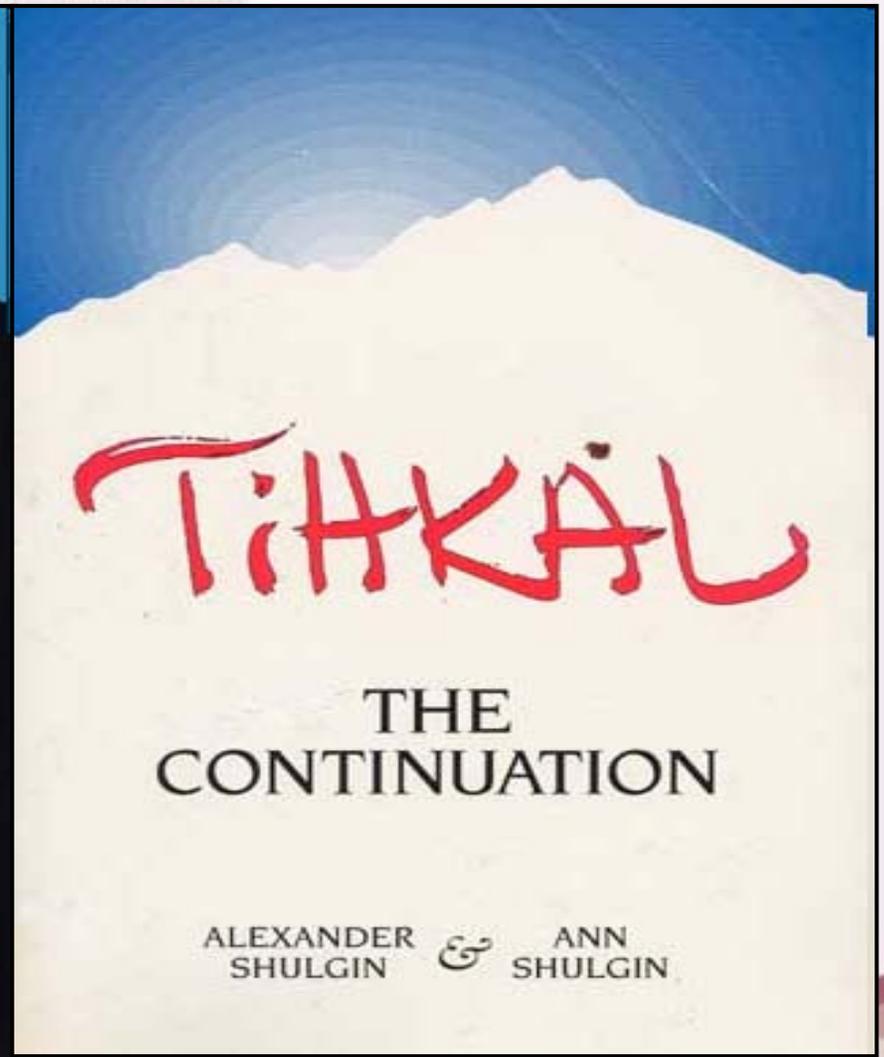
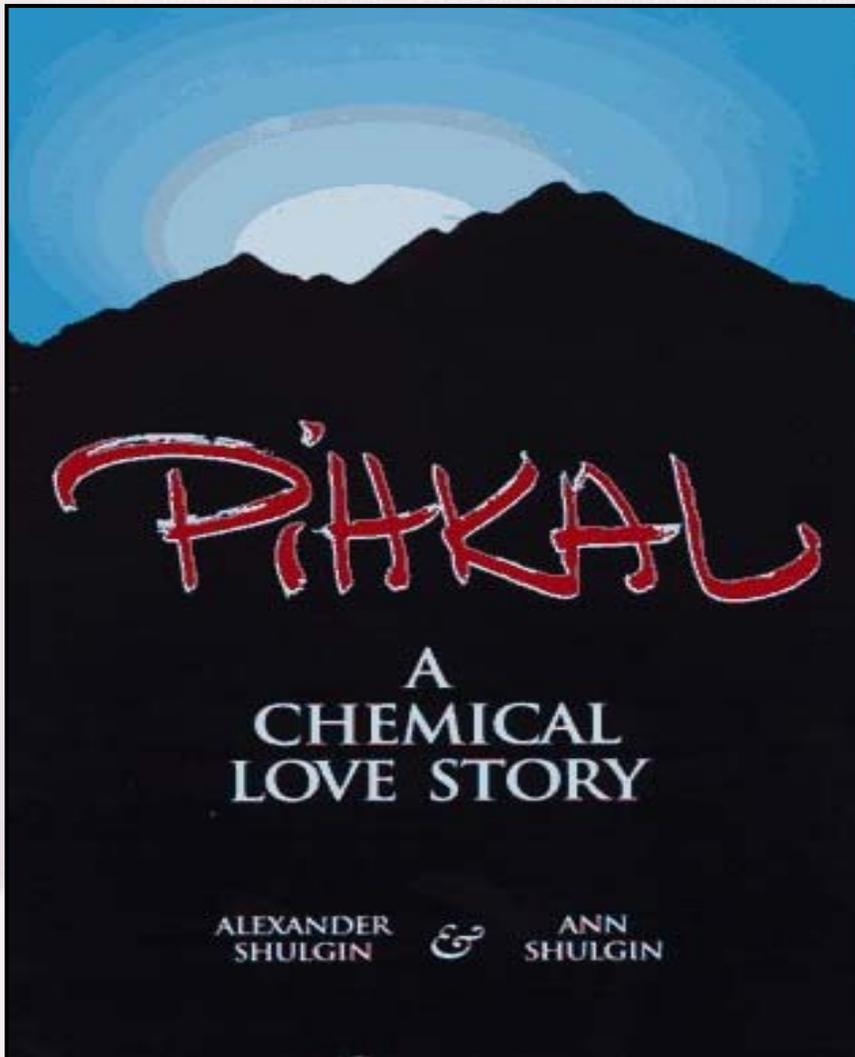
RESULTADOS DEL SERVICIO DE ANÁLISIS

El análisis de nuevas drogas ha aumentado de 1,3% (2006) a 16% (2011).

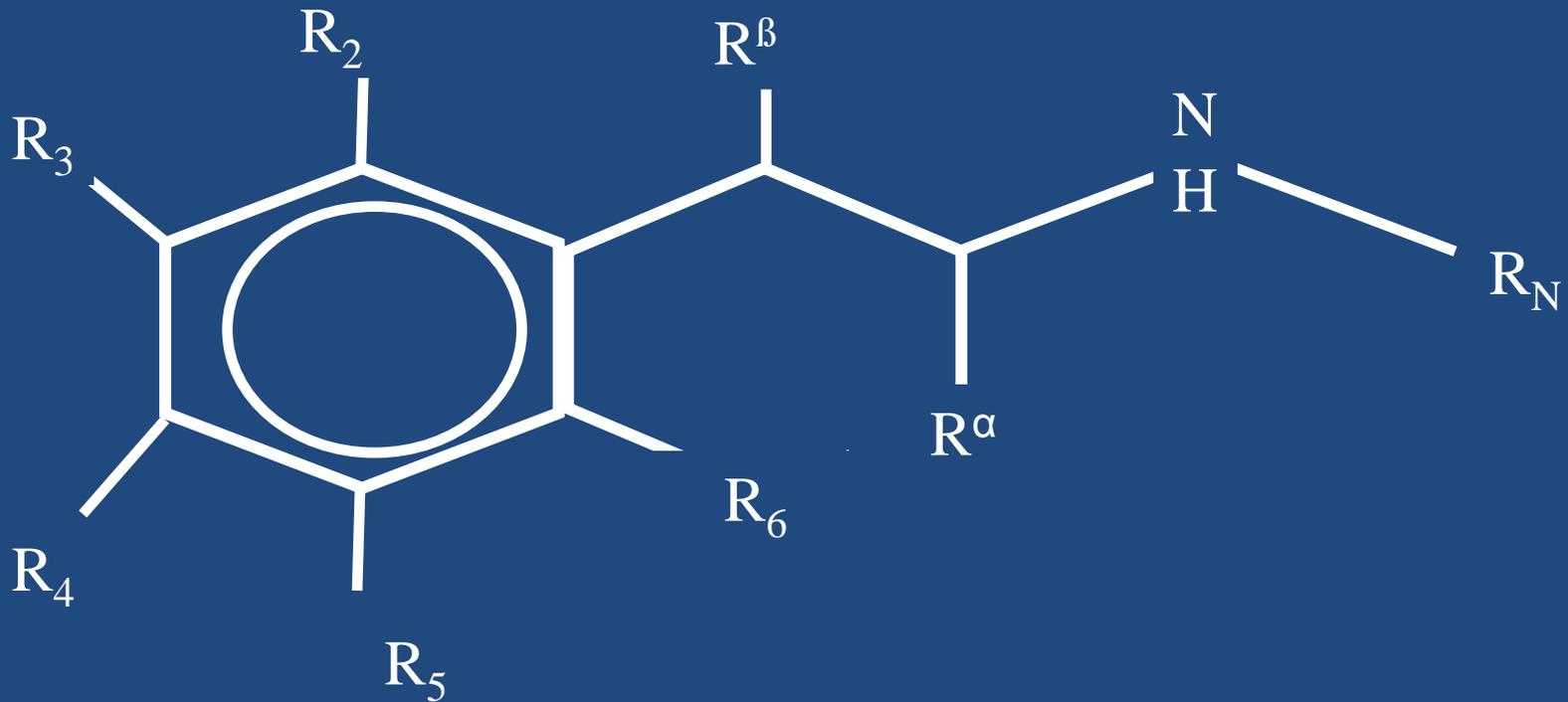
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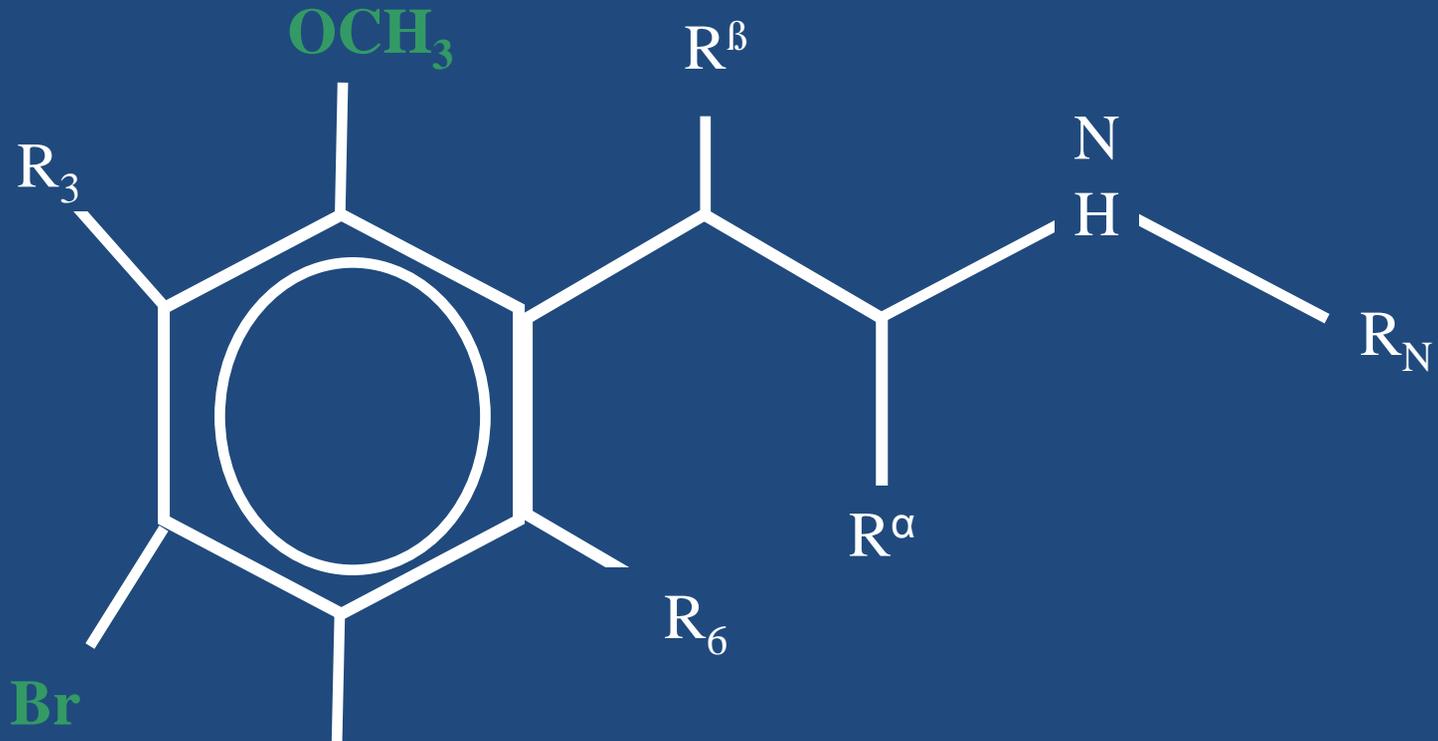
ESTRUCTURA GENERAL DE LAS FENILETILAMINAS



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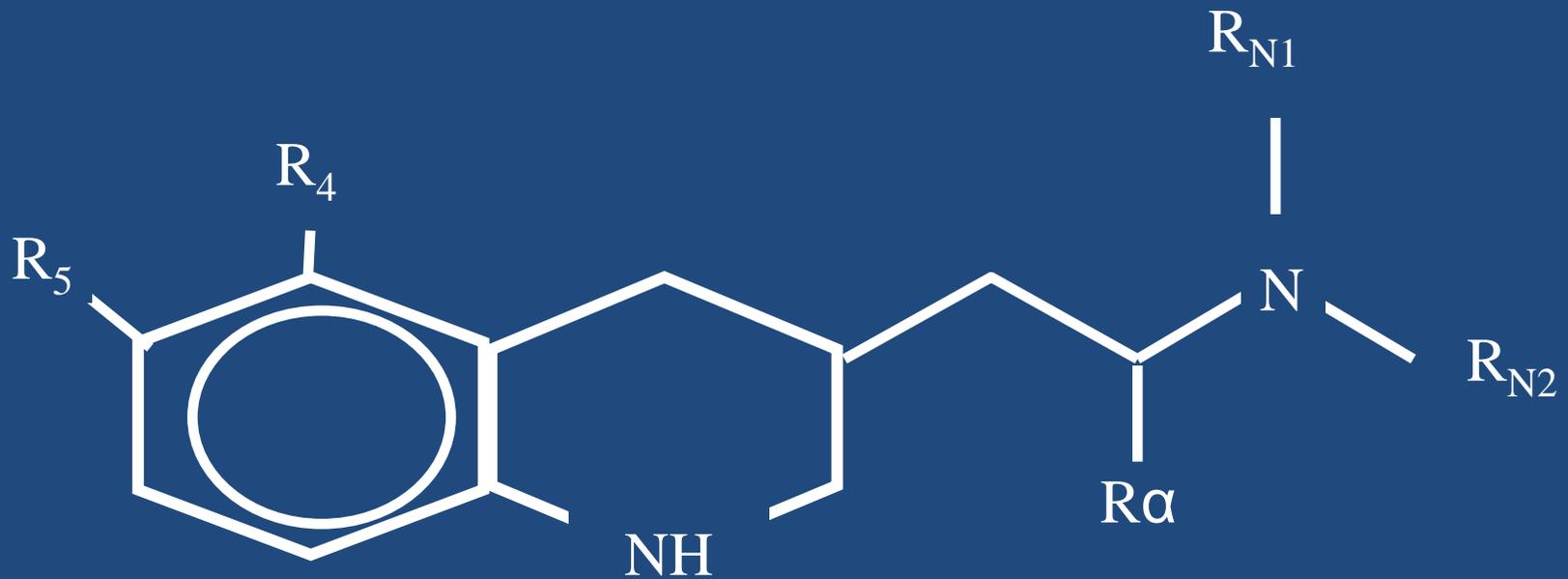
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2CB (nexus)

ESTRUCTURA GENERAL DE LAS TRIPTAMINAS

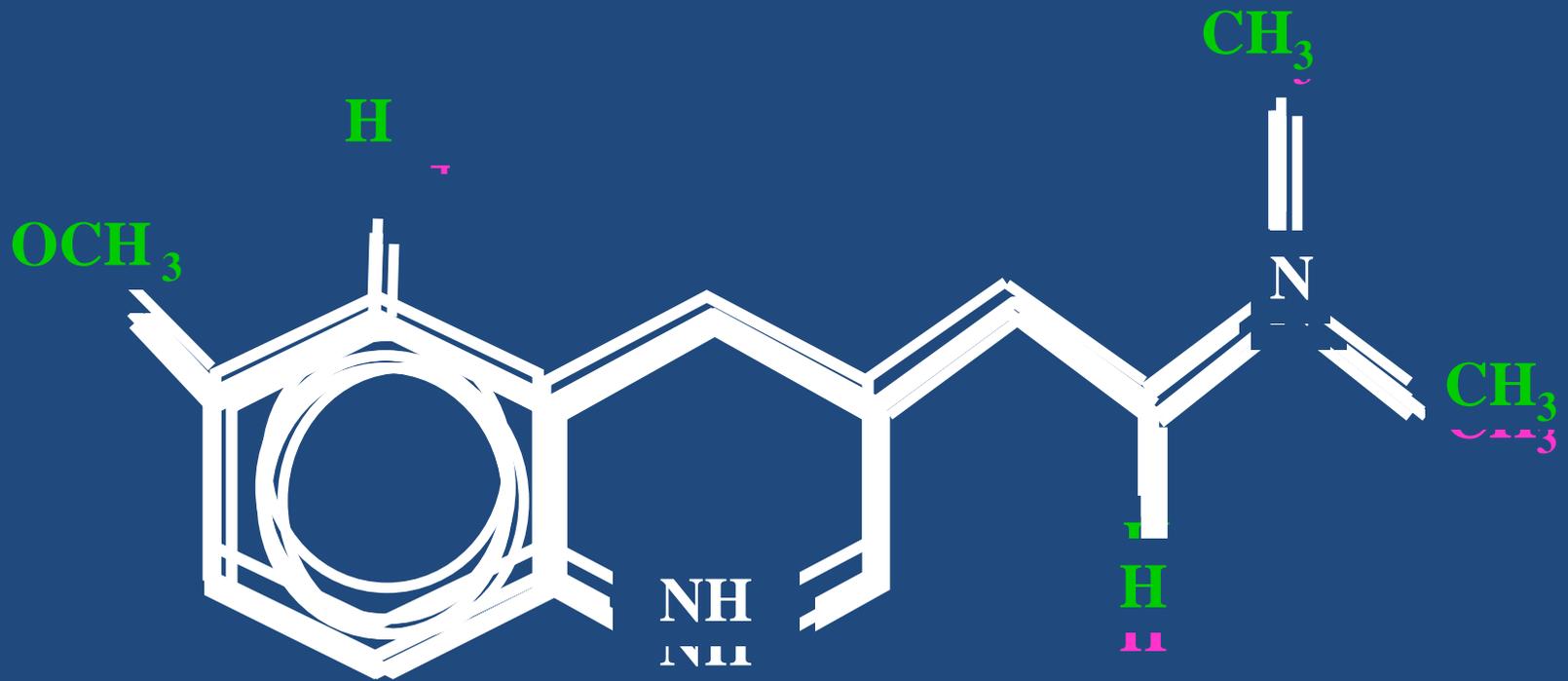


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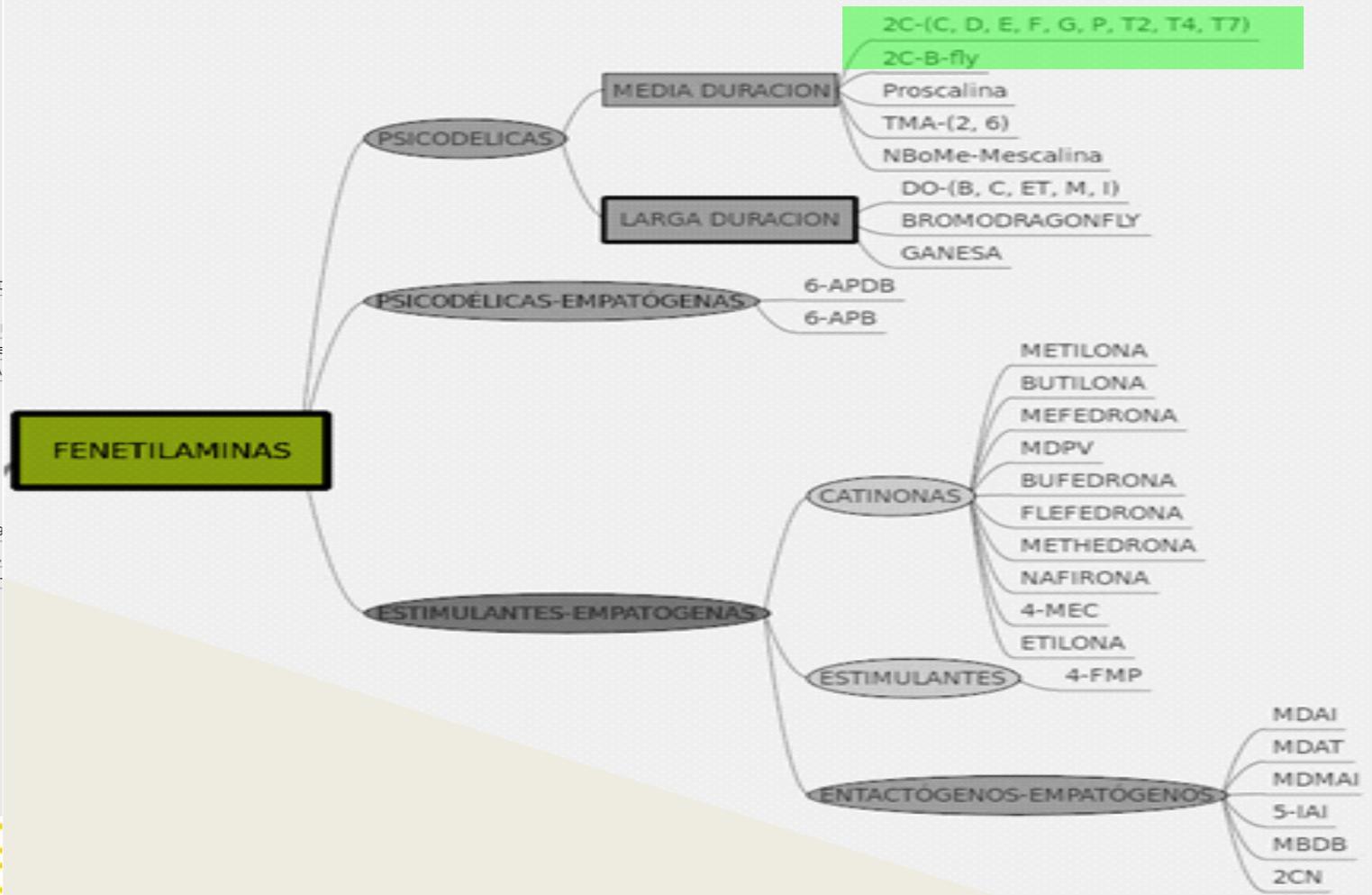
Salvador DMT



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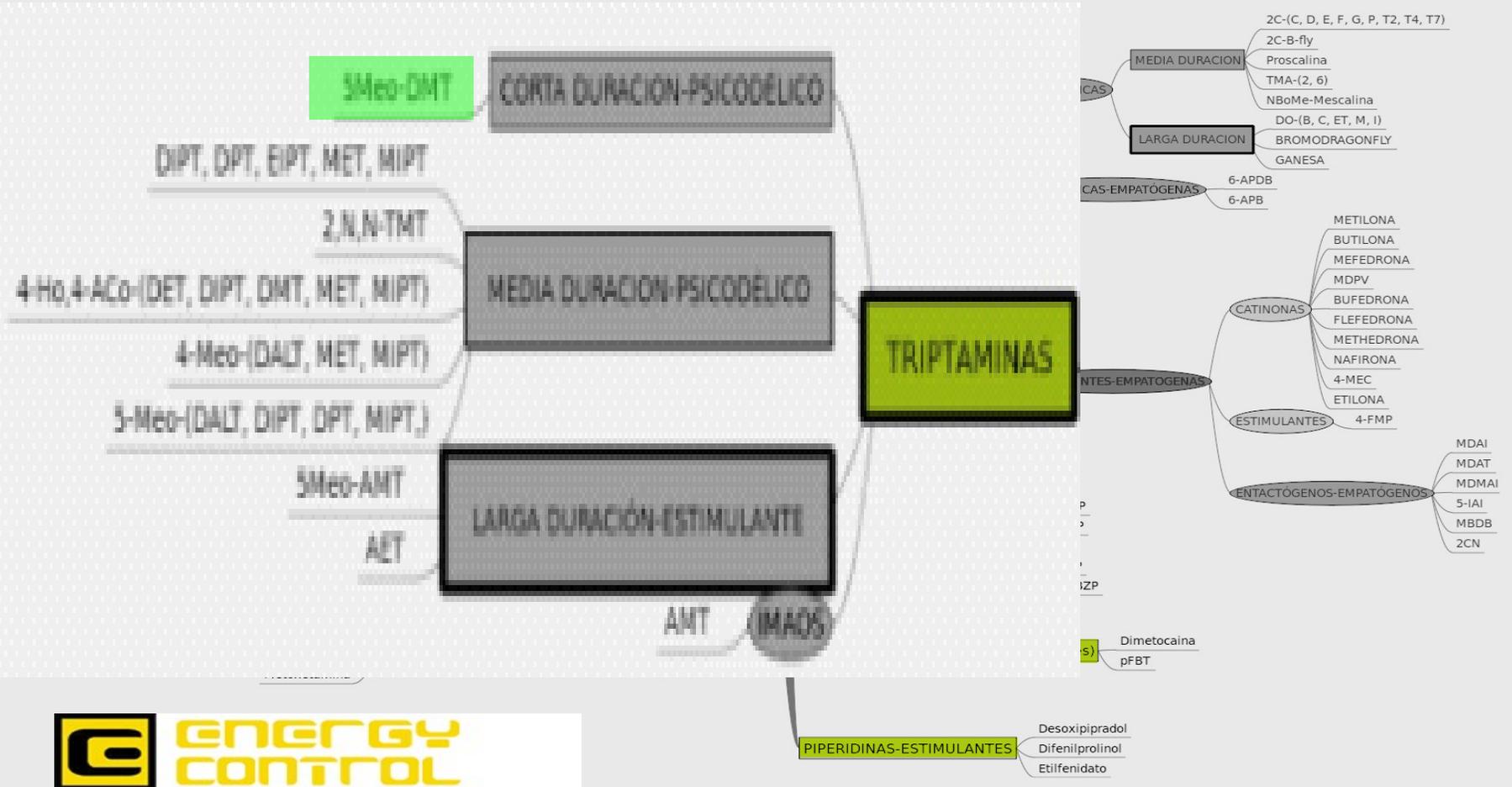
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DIPT, C
4-Ho,4-ACo-(DET, DI
4-Me
5-Meo-(DA
CP-(559
JWH-(019, 072, 081, 200,
WIN-



RESEARCH CHEMICALS

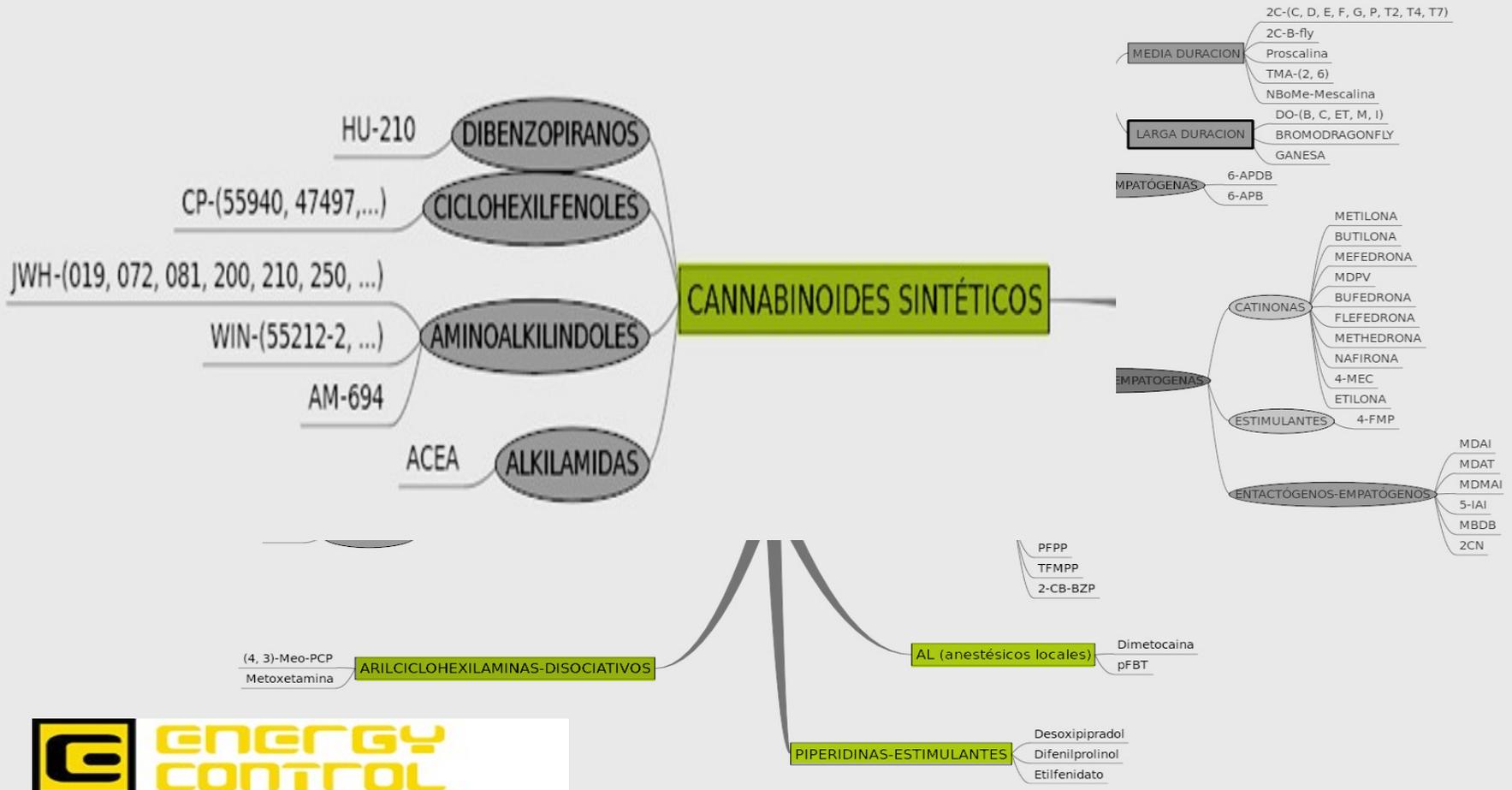


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RESEARCH CHEMICALS



2 CB (2,5-dimetoxi-4-bromo-feniletilamina)

Feniletamina psicotrópica (Shulgin-1974).
Conocida como *venus* o *nexus*.

Desde los '80 en EEUU ("éxtasis vegetal").
Efectos similares al LSD o las setas
alucinógenas, con menos fenómenos
disociativos y crisis de pánico a dosis
recreativas.

Dosis de 5-30 mg. Se fija a los receptores
de dopamina, adrenalina y noradrenalina.
A dosis bajas es un amplificador sensorial y
a dosis altas un potente alucinógeno.

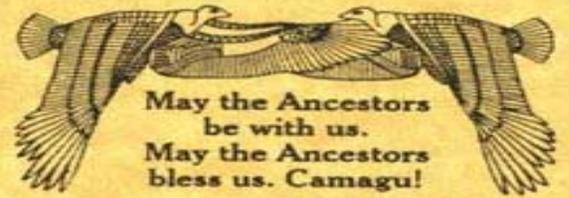




UBULAWU NOMATHOTHOLO



Ubalawu Nomathotholo Package
South African packaging of 2C-B by Drittwelle



May the Ancestors
be with us.
May the Ancestors
bless us. Camagu!

UBULAWU NOMATHOTHOLO opens the mind to messages, visions and dreams from the Ancestral spirits. This makes it an excellent medicine for use by African traditional healers (*sangomas*, *nyangas* and *imagqirhas*) during *intloombe*, *xhentsa*, *yumisa*, divining, healing and *thwasa* treatment.

The healer should take this *ubulawu* just before the start of the healing session or ceremony. The recommended dosage is 2-5 tablets. It is best if there is no food in the stomach when the tablets are swallowed. The effect of this *ubulawu* lasts for about 4-5 hours.

Should he wish to do so, the healer may also give this *ubulawu* to patients and other people taking part in the healing session or ceremony. This *ubulawu* should not however be taken by children, pregnant women, or anyone who is suffering from diabetes, epilepsy, high blood pressure or a serious heart problem.



(Con 20 mg) "Los pigmentos de la habitación se intensificaron. Las formas se hicieron más redondas, más orgánicas. Una sensación de ligereza y oleadas de calor comenzaron a navegar por mi cuerpo. Empecé a percibir olas de energía emanando a través de todos nosotros al unísono. Nos vi como un equipo conectado en red, un equipo de seres de energía eléctrica, nodos de una brillante y pulsante red de energía".

(Con 64 mg) "Todo lo que estaba vivo era completamente atemorizante. Podía ver la foto de un arbusto, y era sólo eso, una foto, y no representaba ninguna amenaza para mí. Entonces mi vista se movía hacia la derecha, y se topaba con un arbusto creciendo del otro lado de la ventana, y me quedaba petrificado por el terror. Era una forma de vida que no podía entender, y por ello mismo que no podía controlar, como mi propia forma de vida".

A. Shulgin

5-MeO-DMT (5-methoxy-N,N-



Bufo alvarius

CANNABINOIDES SINTÉTICOS

G Model
DAD-4024; No. of Pages 6

ARTICLE IN PRESS

Drug and Alcohol Dependence xxx (2011) xxx–xxxx



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Contents lists available at ScienceDirect

Drug and Alcohol Dependence

journal homepage: www.elsevier.com/locate/drugalcddep



Full length article

Synthetic cannabinoid JWH-018 and psychosis: An explorative study

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Te Korowai-Whāiri, A Capital and Coast District Health Board Service, Ratonga Rua O Porirua, Regional Forensic Service, Raiha Street, P.O Box 50-233 Porirua, New Zealand

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ABSTRACT

Background: Aroma, Spice, K2 and Dream are examples of a class of new and increasingly popular recreational drugs. Ostensibly branded “herbal incense”, they have been intentionally adulterated with synthetic cannabinoids such as JWH-018 in order to confer on them cannabinomimetic psychoactive properties while circumventing drug legislation. JWH-018 is a potent cannabinoid receptor agonist. Little is known about its pharmacology and toxicology in humans. This is the first research considering the effects of JWH-018 on a psychiatric population and exploring the relationship between JWH-018 and psychotic symptoms.

Method: This paper presents the results of semi-structured interviews regarding the use and effects of JWH-018 in 15 patients with serious mental illness in a New Zealand forensic and rehabilitative service. **Results:** All 15 subjects were familiar with a locally available JWH-018 containing product called “Aroma” and 86% reported having used it. They credited the product’s potent psychoactivity, legality, ready availability and non-detection in drug testing as reasons for its popularity, with most reporting it had replaced cannabis as their drug of choice. Most patients had assumed the product was “natural” and “safe”. Anxiety and psychotic symptoms were common after use, with 69% of users experiencing or exhibiting symptoms consistent with psychotic relapse after smoking JWH-018. Although psychological side effects were

Schizophrenia Research 118 (2010) 309–310



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Letter to the Editors

The synthetic cannabinoid Spice as a trigger for an acute exacerbation of cannabis induced recurrent psychotic episodes

well as recurrent paranoid hallucinations, symptoms he never had before. Thereupon symptoms had further worsened leading to the present admission. Screening for cannabinoids (urine and hair) and other drugs (urine) revealed negative results. A magnetic resonance examination of brain was normal.

1. Introduction

It is established that cannabis consumption cannot only trigger transient psychotic episodes but also predisposes for the development of lasting paranoid schizophrenia in a dose dependent manner (Moore et al., 2007; Muller-Vahl and Emrich, 2008). Patients with a positive family history are at a higher risk for such drug induced schizophrenic disorders (Fergusson et al., 2006; Morgan and Curran, 2008). Cross-reactions between different drugs to trigger recurrence of schizophrenic episodes are rare (Huffman et al., 2008). We present the case of a 25 year old man who had a history of cannabis induced recurrent psychotic episodes and an acute reactivation of symptoms after abuse of the synthetic

3. Discussion

“Spice” contains a modified synthetic cannabinoid CP-47,497 which is four times stronger than natural cannabis, and the synthetic cannabinoid-mimetic JWH-018 that binds to cannabinoid-like receptors in the brain (Huffman et al., 2008). Its effects in the brain are comparable to those of tetrahydrocannabinol (THC) (Morgan and Curran, 2008). The main psychoactive component of cannabis is delta-9-tetrahydrocannabinol, which is directly associated with paranoid and psychotic symptoms (Moore et al., 2007; Morgan and Curran, 2008). Cross-reactions between different substance



This product is intended to be used as an aromatic potpourri only. It is not designed or intended for human consumption. Both the manufacturers and retailers of this product take no responsibility for the incorrect use or misuse of this product.



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CANNABINOIDES SINTÉTICOS

Clínica:

Dosis bajas: enrojecimiento conjuntival, taquicardia, boca seca, y alteraciones del estado de ánimo y de la percepción del tiempo, colores y sonidos.

Dosis medias: Marcada distorsión visual y auditiva. Paranoia. Despersonalización y desrealización.

Dosis altas: Crisis de pánico o paranoide. Coma. Convulsiones.

Sus efectos duran unas 2-6 horas.

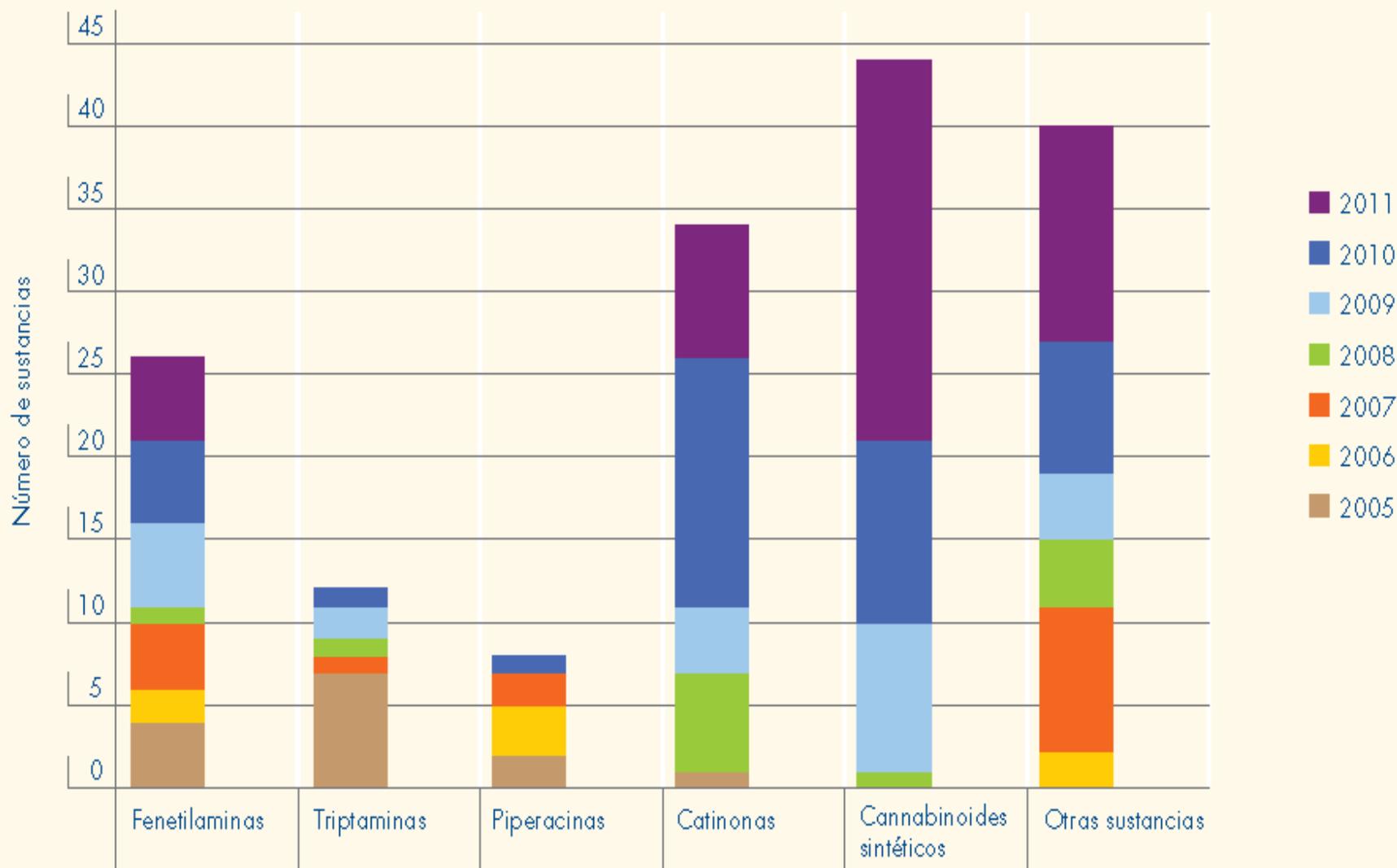
Tratamiento: Medidas sintomáticas y de confort. BDZ



Capítulo 8

Nuevas drogas y tendencias emergentes

Principales grupos de sustancias psicotrópicas identificadas a través del sistema de alerta rápida



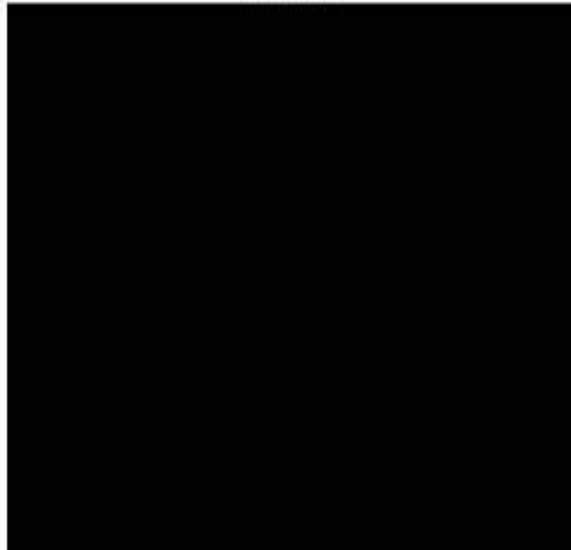
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Se compra por Internet, llega en un sobre a casa

- Las autoridades persiguen sin éxito una web que trafica con 6.740 estupefacientes
- El negocio mensual en esta página similar a eBay ronda el millón de euros

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REVISIÓN

Drogas emergentes: una perspectiva medicolegal

Rosario García-Repetto* y M. Luisa Soria

Todos estos productos presentan en común que se venden bajo la denominación de *legal highs* y se especifica en su etiqueta comercial que no están destinados al consumo humano. En 2009 se identificó un total de 115 tiendas en internet distribuidas en 17 países europeos, fundamentalmente en Reino Unido, Alemania y Países Bajos⁴.



Legal highs on the net: Evaluation of UK-based Websites, products and product information.

Martin M. Schmidt, Akhilesh Sharma, Fabricio Schifano, Charlotte Feinmann

Results

115 Websites met the inclusion criteria but due to duplicate listings this was reduced to 39 unique Websites. 1308 products were found and evaluated. The average product price was 9.69 British pounds. Products took the form of pills (46.6%), smoking material (29.7%) and single plant material/extract (18.1%). Most products claimed to be stimulants (41.7%), sedatives (32.3%), or hallucinogens (12.9%). 40.1% of products failed to list ingredients, 91.9% failed to list side effects, 81.9% failed to list contraindications and 86.3% failed to list drug interactions. Top 5 products (with active ingredients in brackets) by frequency were Salvia divinorum (*Salvinorin A*), Kratom (*Mitragynine*), Hawaiian Baby Woodrose Seeds (*Lysergic Acid Amide*), Fly Agaric (*Ibotenic Acid, Muscimol*) and Genie (*JWH018, CP47497*).



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Tema: **Ayudaaa urgente !! extracto efedrina**

Herramientas Visualizar

17/01/2009 02:30 #1

hofman
Marihuan@ Senior

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Mensajes: 138
Gracias: 0

17/01/2009 02:48 #2

hofman
Marihuan@ Senior

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Mensajes: 138
Gracias: 0
0 gracias recibidas en 0 Posts

Re: **Ayudaaa urgente !! extracto efedrina**

o me la fumo ? 

Psychoactive Vaults

ALCOHOL	AMANITAS	AYAHUASCA	CACTI	CAFFEINE	CANNABIS
COCAINE	DATURA	DMT	DXM	GHB	HEROIN
IBOGAINE	INHALANTS	KETAMINE	LSD	MDMA (ECSTASY)	METH
MORNING GLORY	MUSHROOMS	NITROUS	OPIATES	OXYCODONE	PEYOTE
SALVIA	TOBACCO	ZOLPIDEM	2C-B	5-MeO-DMT	MORE ...

Erowid Experience Vaults Report Id: 72502

Should I Live as Thomas Aquinas or as Socrates?

by *Redleader*

Dose: T+ 0:00	10 mg	oral	2C-B	pill / tablet
T+ 2:10	20 mg	oral	2C-B	pill / tablet
T+ 0:00	repeated	oral	Alcohol	liquid

Body weight: 59.00 kg

I am no longer sure of anything. If I satiate my desires, I sin but I deliver myself from them; if I refuse to satisfy them, they infect the whole soul.” - Jean Paul Sartre

“Not what we have, but what we enjoy, constitutes our abundance.” - Epicurus

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Adolescents and Young Adults Presenting to the Emergency Department Intoxicated From a Caffeinated Alcoholic Beverage: A Case Series

Kelly Cleary, MD, Deborah A. Levine, MD, Robert S. Hoffman, MD

From the Department of Pediatrics (Cleary, Levine), Department of Emergency Medicine (Cleary, Levine, Hoffman), and Department of Medicine (Hoffman), New York University School of Medicine, New York, NY; the Bellevue Hospital Center, New York, NY (Cleary, Levine, Hoffman), and New York City Poison Control Center, New York, NY (Hoffman).

Volume xx, NO. x : Month 2011

Annals of Emergency Medicine 1

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VIEWPOINT

VIEWPOINT

ONLINE FIRST

Energy Drinks and Caffeine-Related Adverse Effects

ONLINE FIRST

Risks of Energy Drinks Mixed With Alcohol



January 10, 2013

Update on Emergency Department Visits Involving Energy Drinks: A Continuing Public Health Concern

TABLA 1. Energía, carbohidratos e ingredientes adicionales en bebidas energéticas selectivas

Producto	Energía (kcal/8 oz)	H. Carbono (g/8 oz)	Ingredientes Adicionales
Onzas líquidas estadounidenses			Litros
12.000			0.35488
13.000			0.38446
14.000			0.41403
15.000			0.44360
16.000			0.47318
17.000			0.50275
18.000			0.53232
19.000			0.56190
20.000			0.59147

Dosis cafeína/Síntomas

- > 200mg: náuseas, cefalea, arritmias
- 750-1000mg: vómitos, temblor, taquicardia, hipotensión, acidosis metabólica
- > 3grs: muerte

CAFFEINE CONTENT OF BEVERAGES AND OTHER PRODUCTS

Energy drinks	Caffeine content (mg)
5-Hour Energy.....	207
Amp, 16 oz.....	143
BAWLS Guarana, 16 oz	100
Full Throttle, 16 oz	197
Monster, 16 oz	160
No Fear, 16 oz	174
NOS, 16 oz.....	260
Red Bull, 16 oz	152
Rip It, 16 oz.....	200
Rockstar, 16 oz.	160
SPIKE Shooter.....	286
Sodas	
Coca-Cola, 20-oz bottle	58
Dr Pepper, 20-oz bottle	70
Mountain Dew, 20-oz bottle	90
Pepsi, 20-oz bottle.....	63
Pepsi MAX, 20-oz bottle.....	115
Vault, 20-oz bottle.....	118
Other	
Arizona Iced Tea, green, 16 oz.....	15
Black tea (brewed), ^a 8 oz	55
Coffee (brewed), ^a 16 oz	170
Excedrin Extra Strength, 2 pills.....	130
Hot chocolate, ^a 8 oz	9
NoDoz Maximum Strength, 1 pill	200
StayAlert gum, 1 piece.....	100
Vivarin, 1 pill	200

^aAverage values; individual brands may vary.

Source: Center for Military Psychiatry and Neuroscience at the Walter Reed Army Institute of Research; 2012

ONLINE FIRST The Journal of the American Medical Association

Energy Drinks and Caffeine-Related Adverse Effects

In 2012, the Food and Drug Administration (FDA) is again investigating a caffeine-containing product, the “energy drink,” because of safety concerns. Several types of these caffeinated drinks are linked to unexpected deaths in apparently healthy persons, raising calls for closer scrutiny and creased: US residents consumed an estimated 2.3 billion energy drinks in 2005 and 6 billion in 2010.⁵ About 6% of young men in the United States report consuming a daily energy drink. In a recent survey of US overseas troops, 45% reported daily use.⁶ Sales of energy drinks in the United States increased 16% in a single year to almost \$9 billion in 2011.⁷

Caffeine poisoning has only recently been characterized. Swedish researchers conducted an extensive analysis defining toxic doses of caffeine.^{9,10} Of 5000 forensic autopsies performed in Sweden each year, 1% had caffeine levels exceeding 10 $\mu\text{g}/\text{mL}$. To place this in perspective, a single cup of standard brewed coffee results in blood caffeine levels of 1 to 2 $\mu\text{g}/\text{mL}$. In 16 years of autopsies, 20 cases had caffeine levels higher than 80 $\mu\text{g}/\text{mL}$, a dose considered potentially lethal.⁹ The cause of death for 12 of these patients (average age, 41 years) was caffeine intoxication, although

ARTICLE IN PRESS

TOXICOLOGY/CASE REPORT

Adolescents and Young Adults Presenting to the Emergency
Department Intoxicated From a Caffeinated Alcoholic Beverage:
A Case Series



Figure 1. Four Loko beverages.

original formulation of Four Loko was a malt beverage that contained 12% alcohol and 156 mg of caffeine.⁴ The combined

emergency medical services. Almost half the patients were found with altered mental status and in potentially hazardous situations; all of these patients were minors. One patient fell onto subway tracks, 3 patients were found confused in public parks or on public transportation, and 1 was found unconscious in a building lobby. One patient was unconscious at school.

David Yurman is a sculptor and Sybil, his wife and muse, is a painter. Together, they create a world of unique artistry.

Monster Energy Drink Cited in Deaths

By BARRY MEIER
Published: October 22, 2012

Five people may have died over the past three years after drinking Monster Energy, a popular energy drink that is high in caffeine, according to incident reports recently released by the [Food and Drug Administration](#).

Enlarge This Image



The reports, like similar filings with the F.D.A. in cases involving drugs or medical devices, do not prove a link between Monster Energy and the deaths or other health problems. The records were recently obtained under

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What's Popular Now

Why Can Some Kids Handle Pressure While Others Fall Apart?



Postal Service Plans to End Saturday Delivery



David Yurman is a sculptor

INTOXICACIONES POR NUEVAS DROGAS DE DISEÑO

Dr. Miguel Galicia Paredes
Servicio de Urgencias
Hospital Clínic. Barcelona



Yo crecí en un barrio
privado... privado
de luz, de agua, de
teléfono..."

DIEGO ARMANDO MARADONA
EX FUTBOLISTA ARGENTINO