

New & Emerging Drug Trends

What do clinicians need to know?

Dr Stephen Bright



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What's In A Name?

**novel psychoactive
substances**

party pills

synthetics

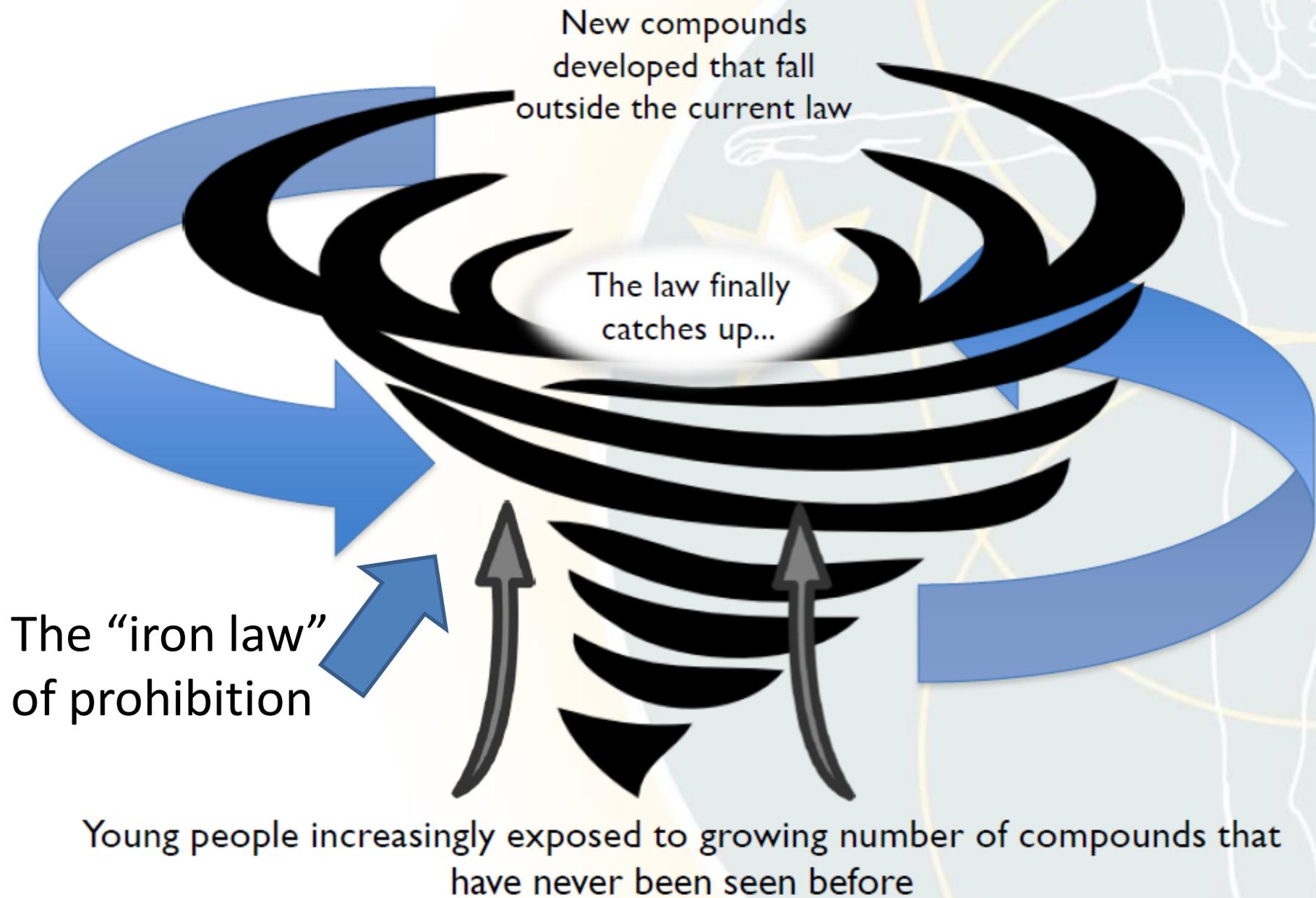
herbal highs

Egal highs

*emerging
psychoactive
substances*

research chemicals

The Vortex of Doom (Caldicott, 2016)



I haven't even

taken mephedrone yet

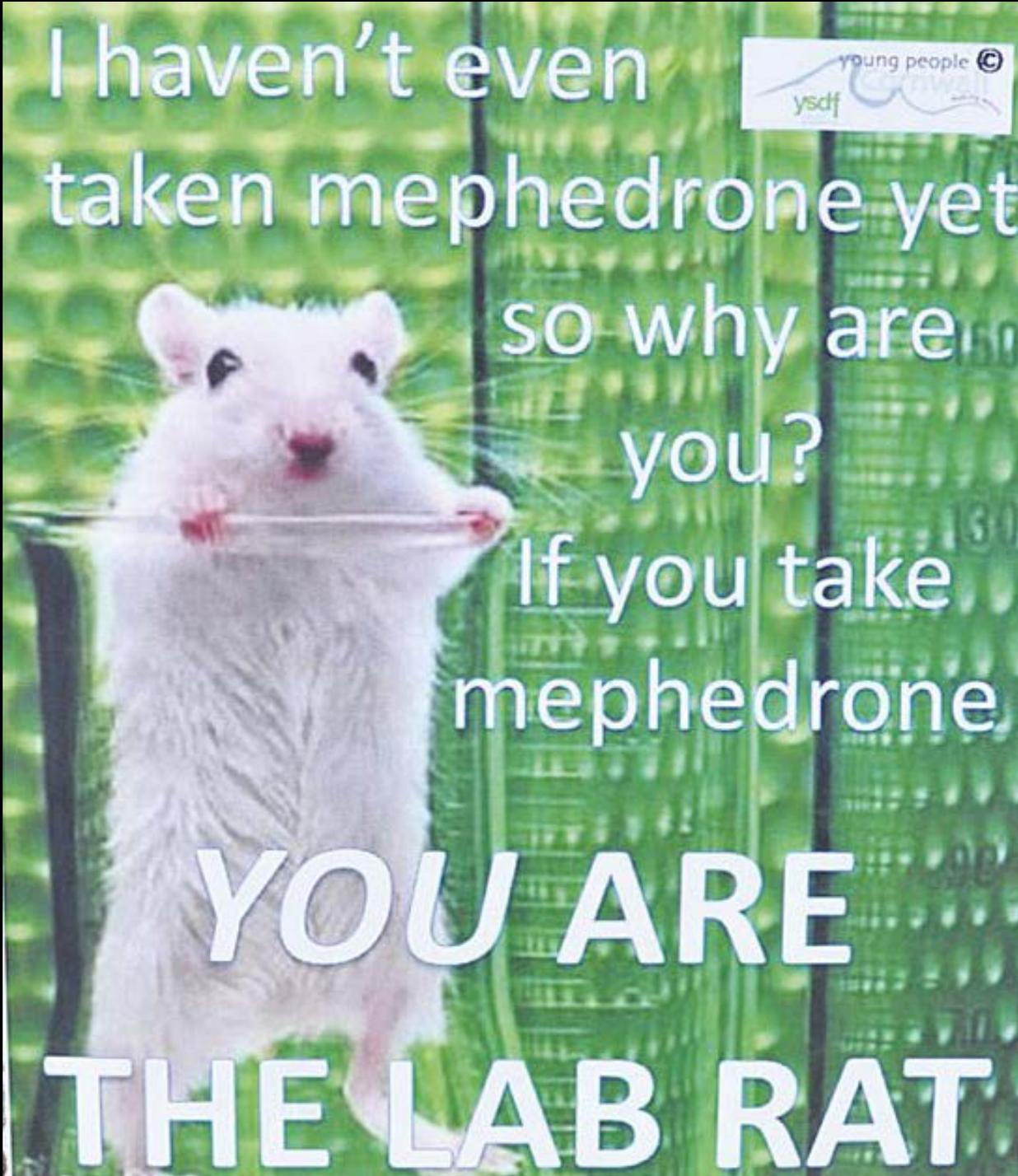
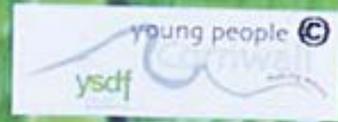
so why are

you?

If you take
mephedrone

YOU ARE

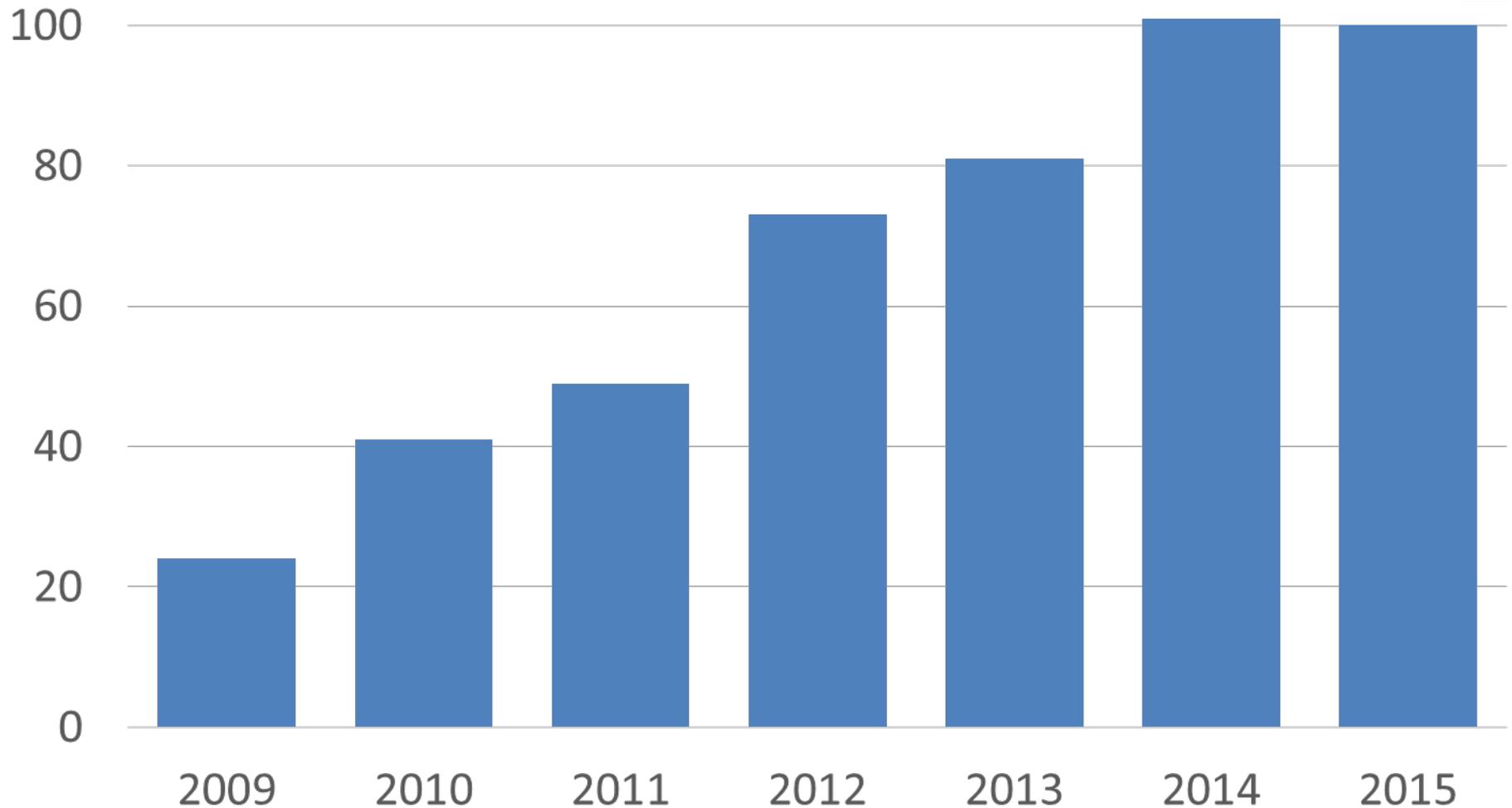
THE LAB RAT



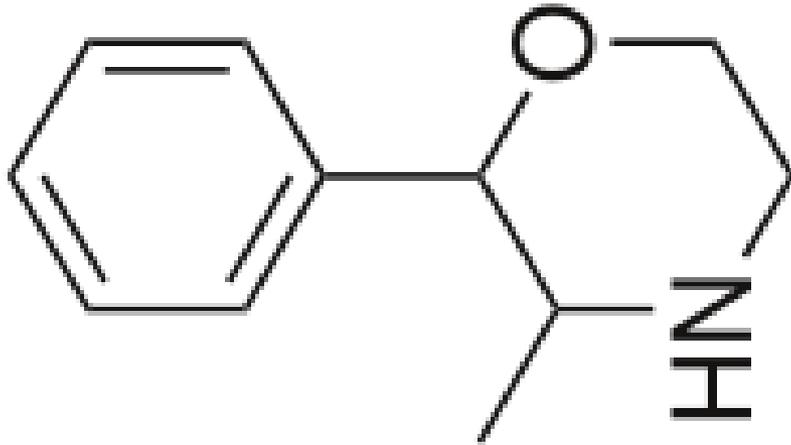
Emerging Drug Trends

Number of new drugs identified by EMCDDA:

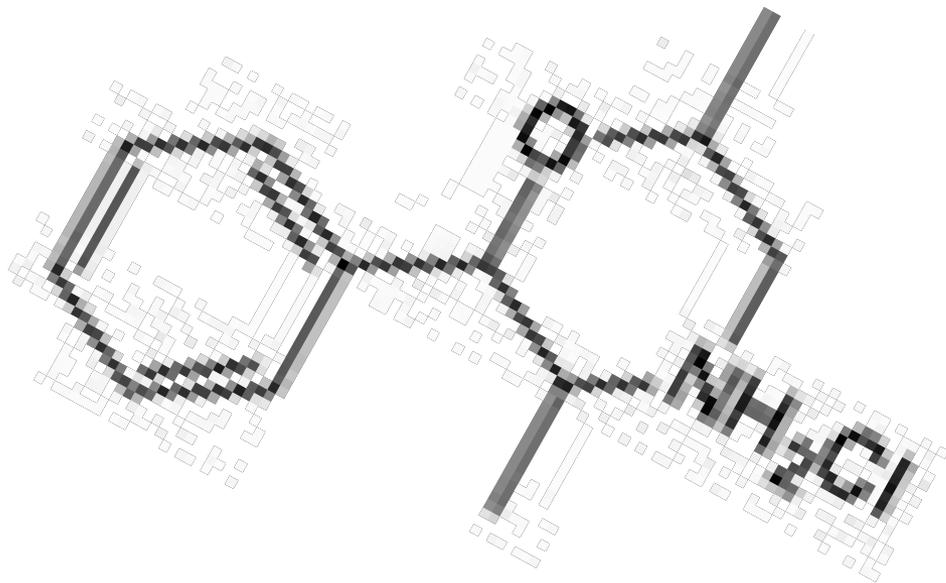
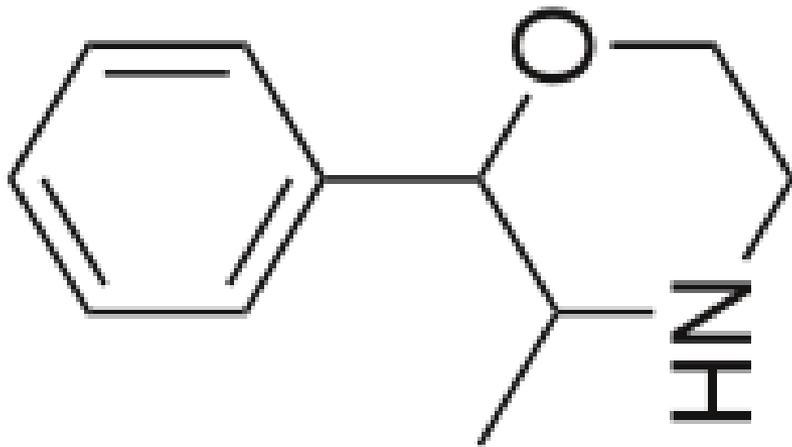
+1



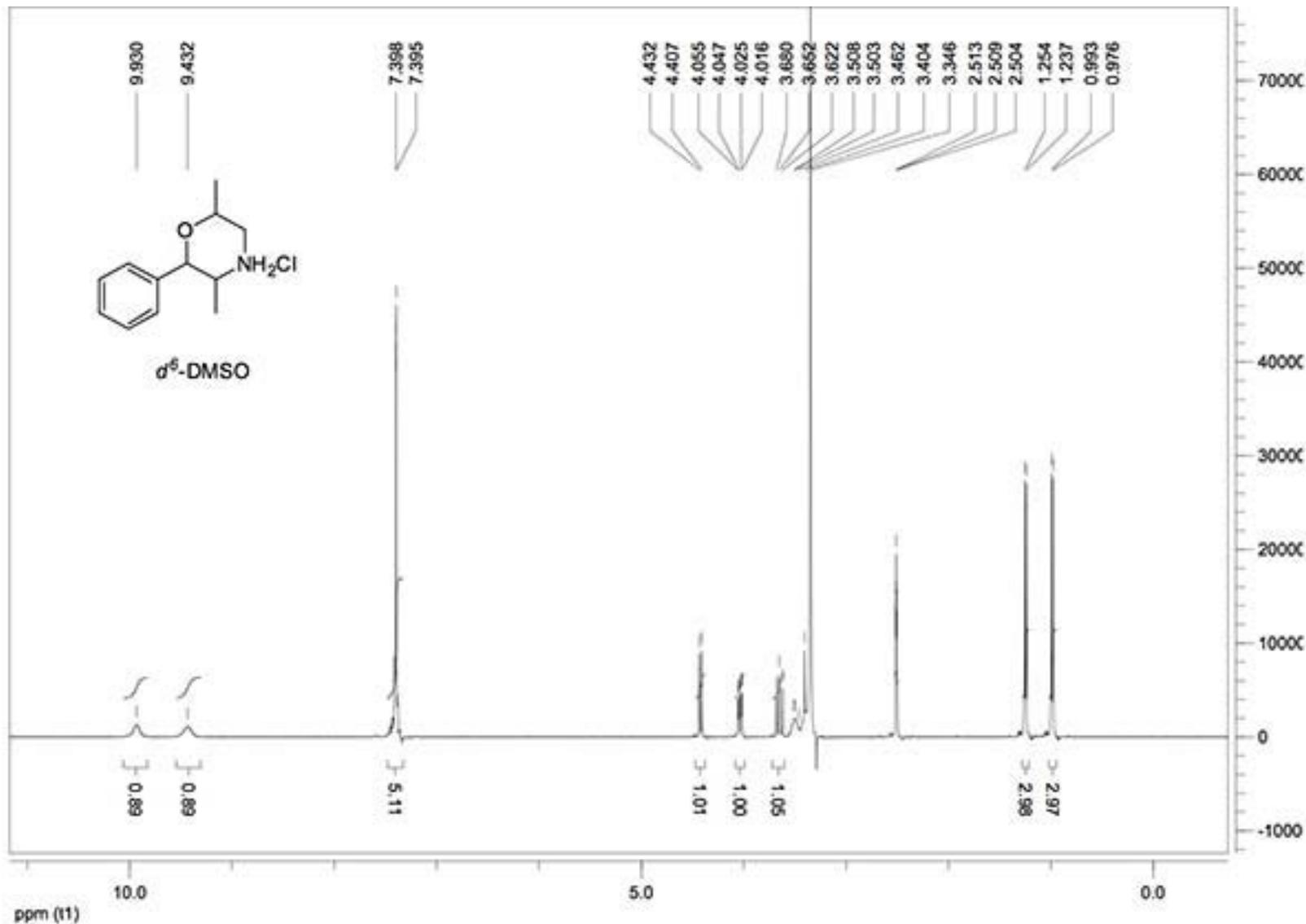
Mike Powers - Phenmetrazine



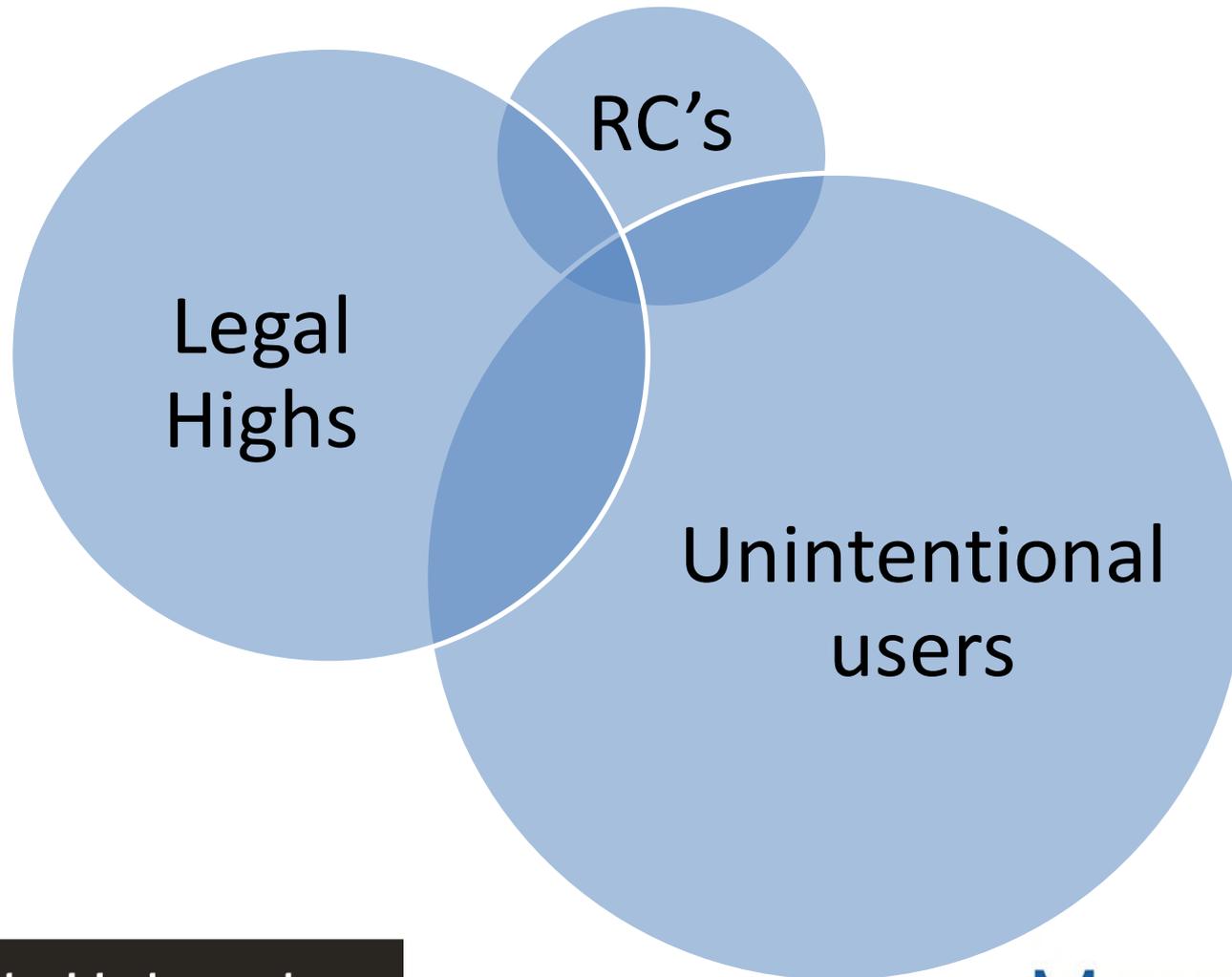
Mike Powers - Phenmetrazine



Mike Powers - Phenmetrazine



People who use NPS in Australia



What Products are Available?

- Synthetic cannabis



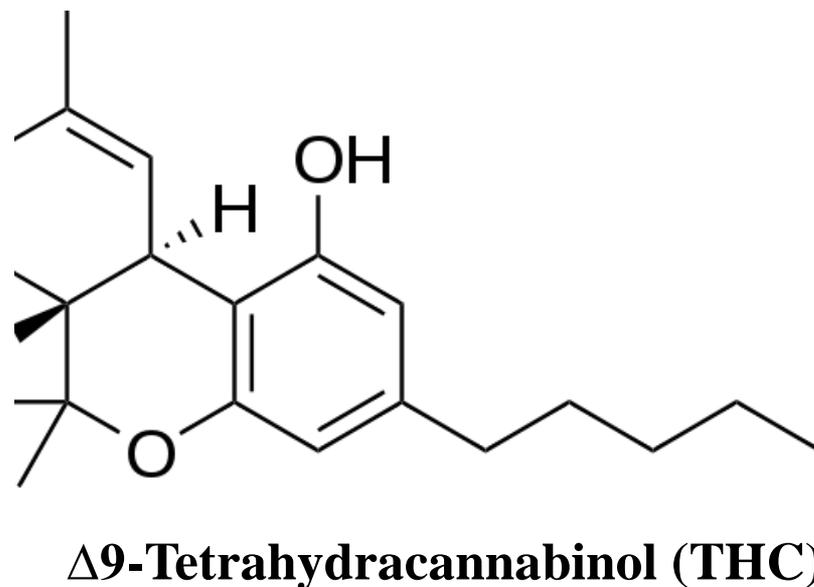
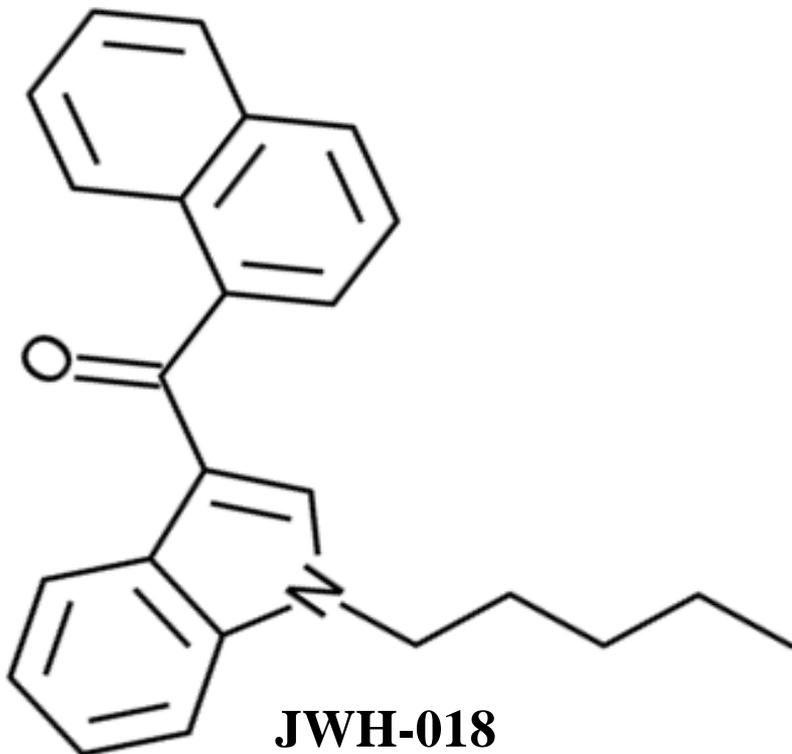
- Powder & Pills (incl RC's)



Synthetic Cannabinoid Agonists

2005: Spice emerged in UK

2009: Chemical in Spice identified



Kronic

2011: Kronic emerged as a new drug in Australia
Produced in New Zealand



Harms (pre-2012)

Reported side effects	Total % of 291	Serious % of 6
No side effects reported	32	NA
Decreased motor coordination	38	100
Fast or irregular heartbeat	33	100
Dissociation	22	67
Dizziness	20	100
Paranoia	18	67
Confusion	18	83
Headache	18	83
Panic	14	83
Slurred speech	14	83
Sweating	14	67
Nausea or vomiting	9	83
Depression	4	50
Psychosis	4	50

**0.3%
sought
emergency
medical Rx**

(Barratt et al, 2013)



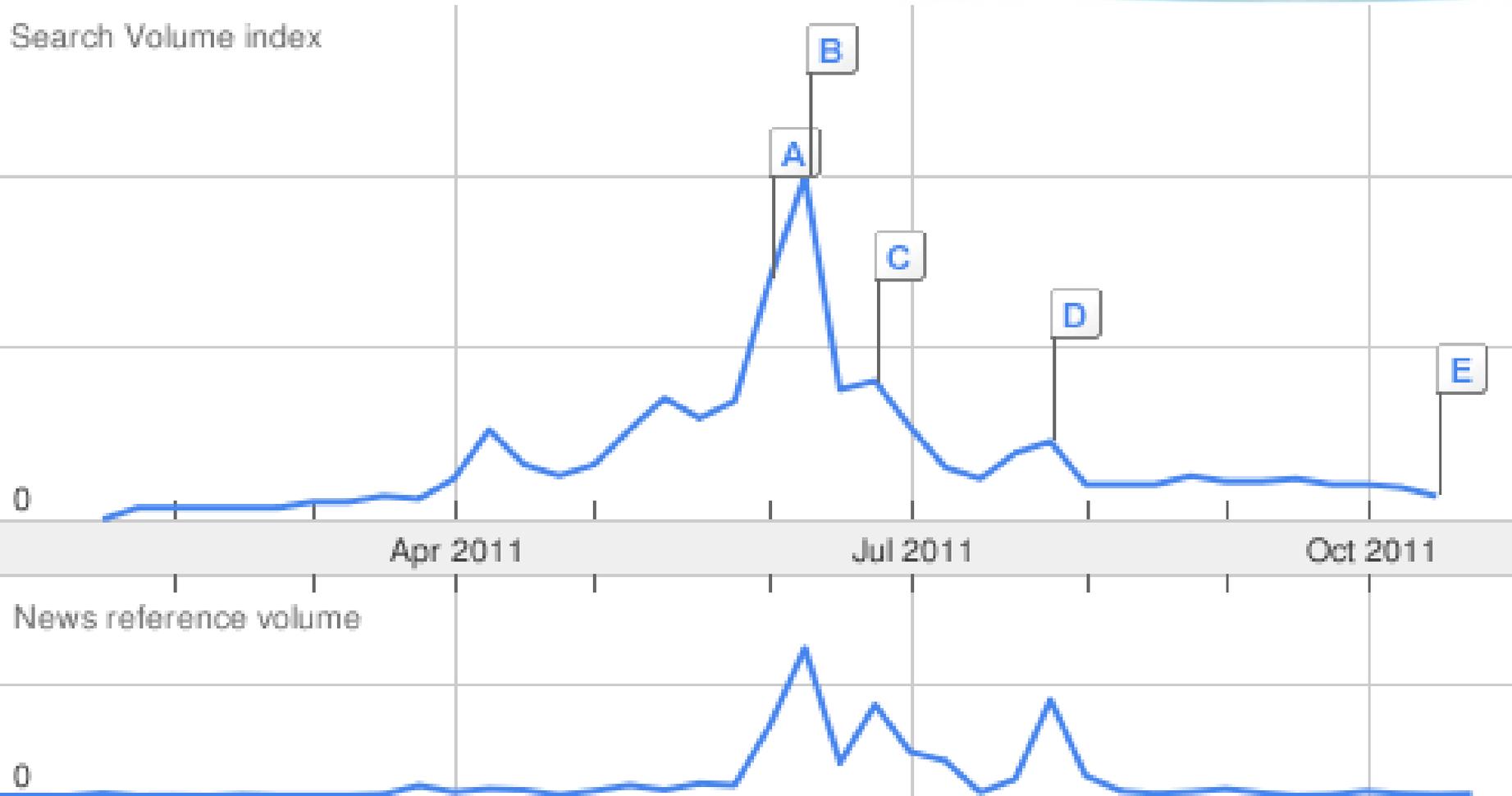
First Legislative Action

WA government banned 7 synthetic cannabinoid agonists in June 2011:

- JWH-018
- JWH-073
- JWH-122
- JWH-200
- JWH-250
- CP 47,497
- The C8 Homologue of CP 47,497



Google Trends: “Kronic” Searches



Bright, S. J., Bishop, B., Kane, R., Marsh, A., Barratt, M. J. (2013). Kronic hysteria: Exploring the intersection between Australian synthetic cannabis legislation, the media, and drug-related harm. *International Journal of Drug Policy*, 24, 231-237.

LEGAL WEED

Kronic

High? How are you.

Total Cost \$0 CHECK OUT

View Your Shopping Cart

Register | Login

R18

NZ Made

Discreet delivery

Overnight delivery for NZ

- Home
- Products/Accessories
- Reviews
- High Times
- Safety/Legal
- Wholesale/Stockists

100% Aussie Legal Kronic Now Available!



BLACK LABEL – our new, 100% legal blend. You've been calling for it, and we've delivered – in response to demand, we've developed a new custom blend of Kronic for the Australian market. Containing no banned substances, the latest in our line of premium, home-grown smoking blends will deliver you a smooth, haze-filled blaze. The height of innovation, Black Label combines a fruity tropical flavour with a smooth long-lasting duration.

Its delicious flavour and aromatic quality makes it the perfect smoke for those looking to have some haze-filled fun and the long lasting impact is made to satisfy. With all our products, we recommend starting slow – just a few tokes, and letting the effect come to you – with Black Label, we assure you it will.

With a long lasting duration and that Kronic feel you know and love, Black Label is the perfect way to smoke up, toke up and take life a little less seriously.

Retail price:
 1gram – \$29.95
 3gram – \$69.95

Top Sellers

- SKUNK Oz (28 gram)
Price: NZ\$199.95
[ADD TO CART](#)
- PURPLE HAZE (3 gram)
Price: NZ\$29.95
[ADD TO CART](#)
- TROPICAL EXPLOSION Quarter Oz (7 gram)
Price: NZ\$59.95
[ADD TO CART](#)



deals, discounts & V.I.P. Promos
 Join Today

Free Monthly

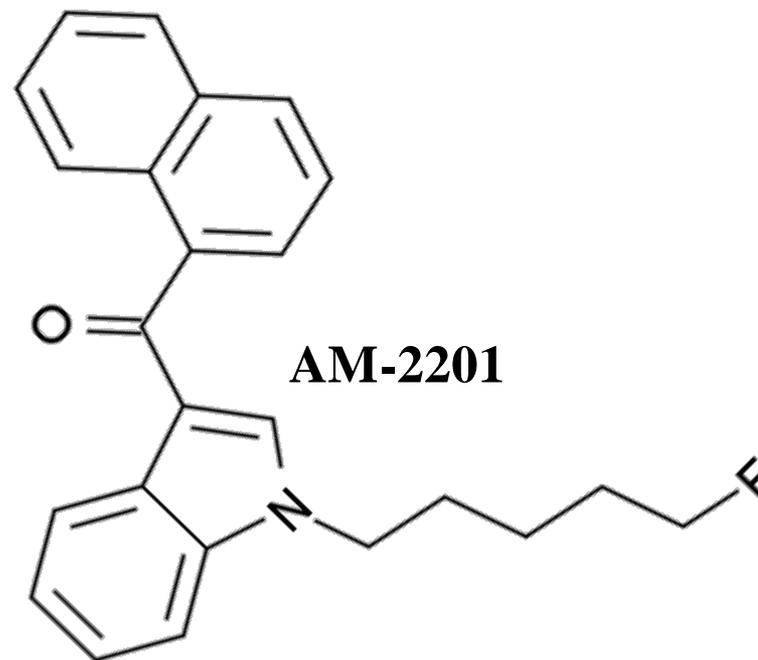
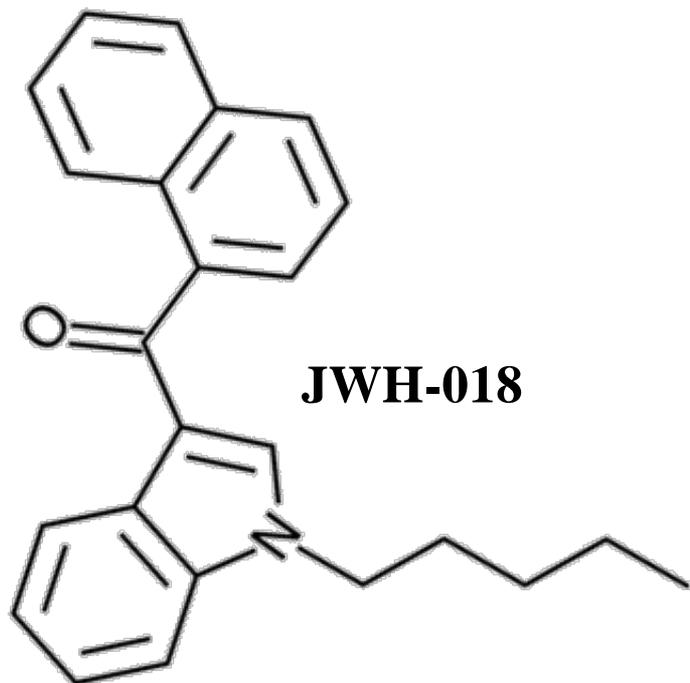


Earn Cash

Ounces \$250 (Save \$149.95)

100 Grams \$600 (Save \$400)

New Chemicals



Further Legislative Actions

Federal:

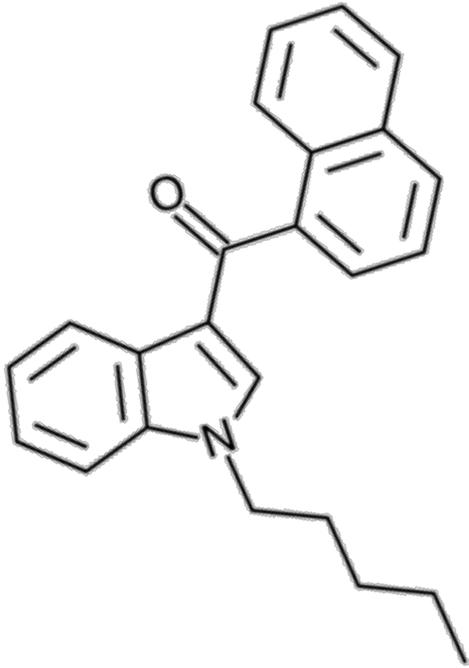
- July 2011: 7 individual chemicals
- May 2012: Broad groups + “Synthetic Cannabinomimetics”
- June 2013: Consumer law re: more individual chemicals

State:

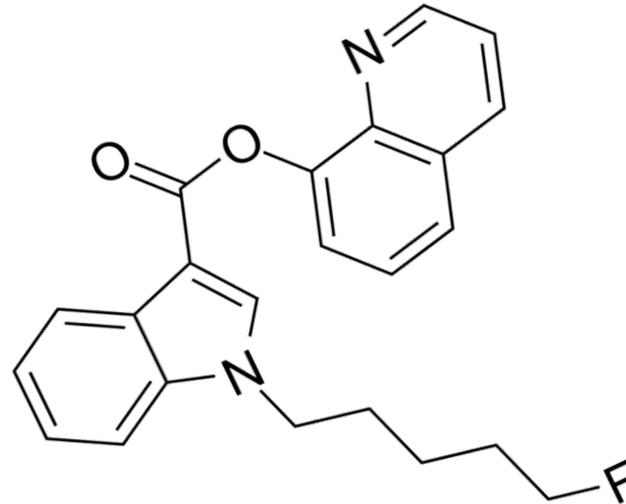
- 2011: WA (again), NSW, ACT, SA, NT & VIC
- 2013: TAS, QLD & NSW
- 2015: VIC & WA



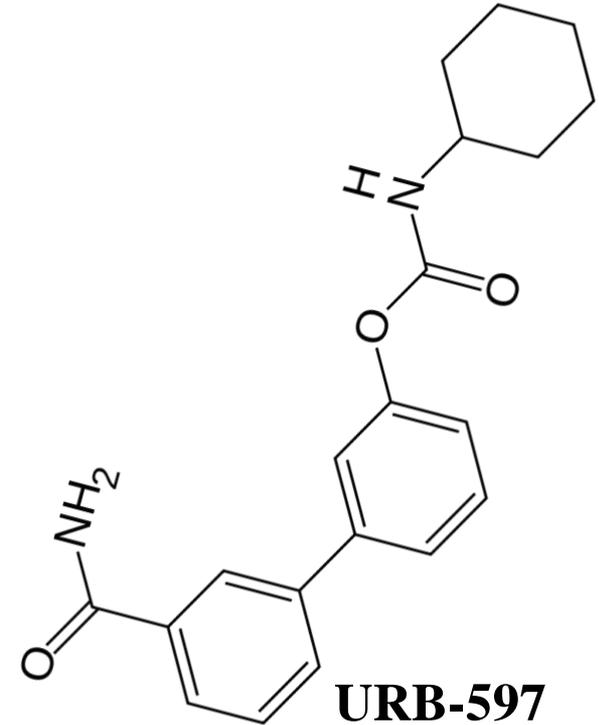
More New Chemicals



AM-2201



5F-BP-22

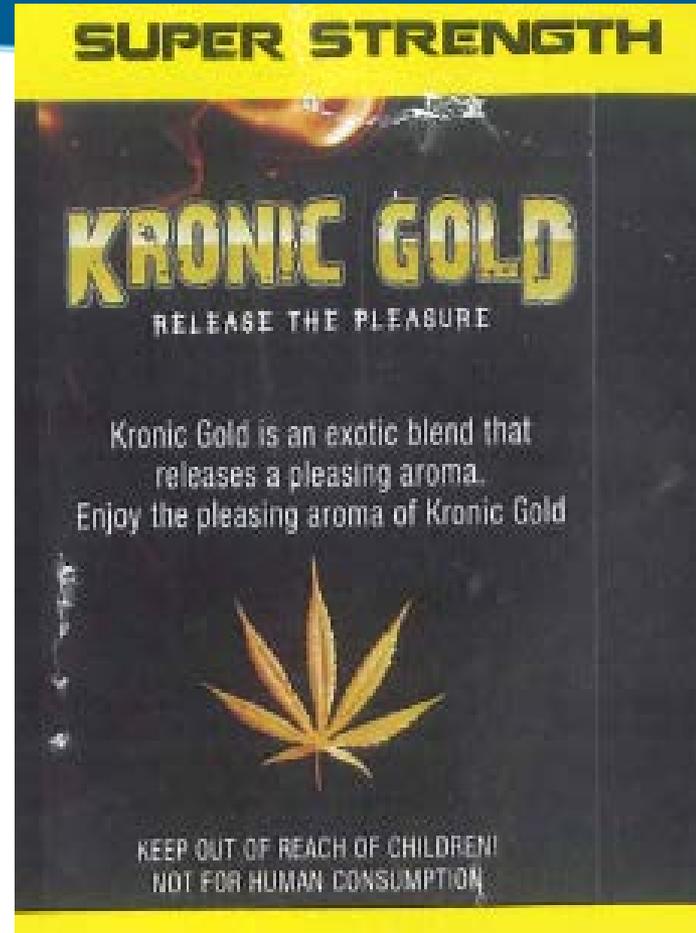


URB-597





New Local “Kronic”



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@stephenjbright MonashHealth

Home made: The case of “Marley”

Chief Health Officer, Victoria, Australia

[Health home](#) > [Chief Health Officer](#) > [CHO health alerts](#) > [Synthetic cannabis safety warning](#)

Synthetic cannabis safety warning - 29 November 2013

Status: **Resolved**

Date issued: 29 November 2013

Issued by: Dr Michael Ackland, Acting Chief Health Officer, Victoria

Issued to: Health professionals, emergency departments and intensive care units

Key messages

- Three males have been hospitalised in the last 36 hours with serious adverse reactions suspected to be associated with use of a product known as 'Marley' purchased in the Pakenham area of Melbourne. The precise chemical compound responsible for these events remains unknown.
- Synthetic cannabis is designed to copy the effects of cannabis but can include psychedelic drugs and other undisclosed chemicals not approved for human consumption and known to be harmful to human health
- These products are available online and in limited retail outlets including sex shops.
- Be alert for patients presenting with agitation, confusion, seizures, vomiting, loss of consciousness, hyper/hypotension, myocardial ischaemia or myocardial dysfunction and check for use of synthetic cannabis or other synthetic drugs. Advise all patients to discontinue use and dispose of synthetic drug products.

What is the issue?

Synthetic cannabis is not approved as safe for human consumption and can induce unpredictable adverse effects such as seizures, agitation, increased heart rate and psychosis.

Often the chemical compounds contained within synthetic cannabinoids or other synthetic drug products are not specified, and remain unknown. Therefore it is difficult to identify causative agents for adverse effects and instigate appropriate treatments.

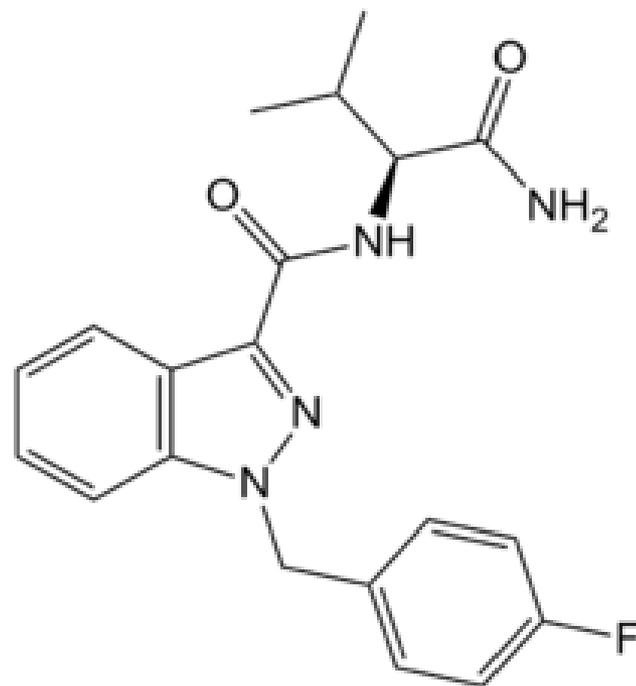
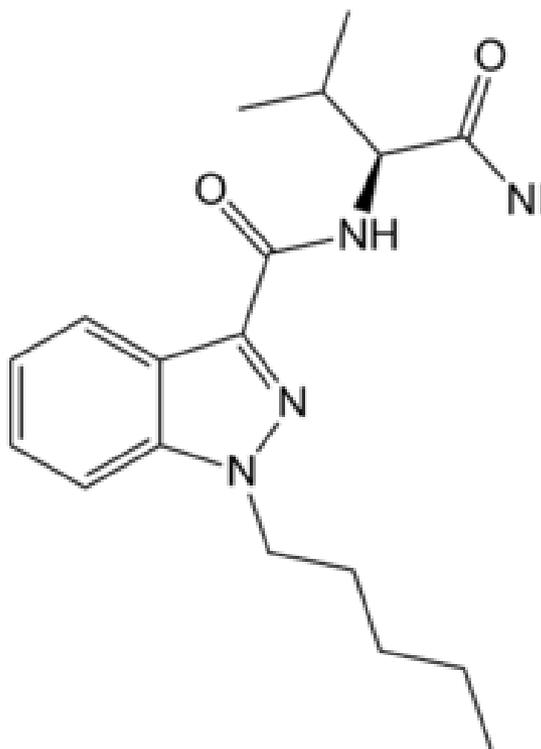
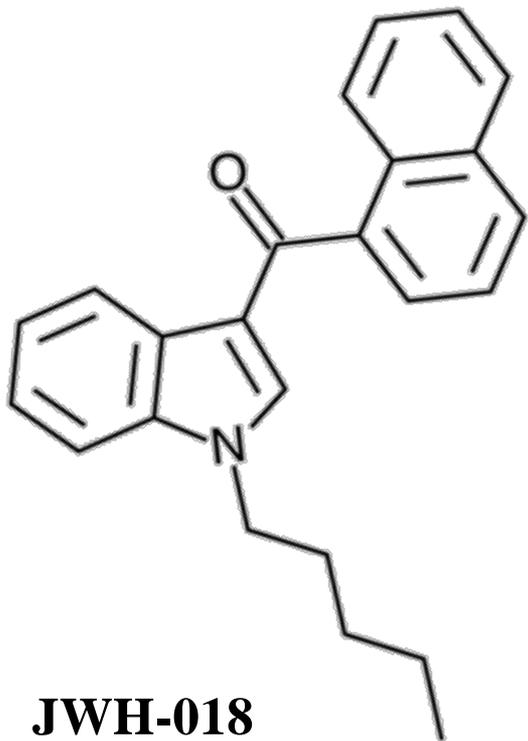
Similar products to 'Marley' include K2, Kronic, Ash Inferno, Black Widow and Slappa. . The Victorian Government is currently introducing legislation expanding the definition of illicit drugs to include synthetic drugs.



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Home made: The case of “Marley”



Home made: The case of “Marley”

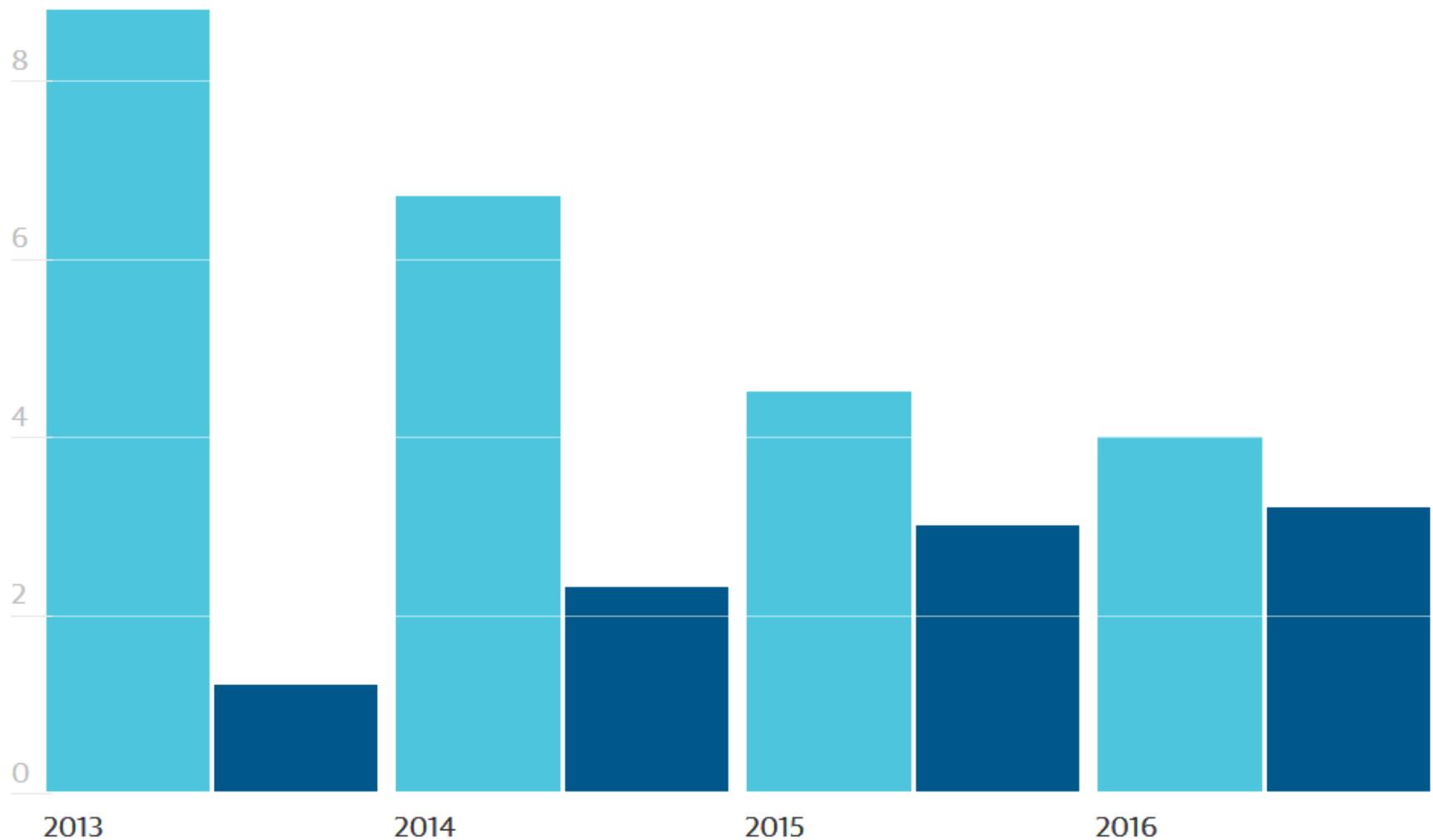
- Renal Failure
 - ?Chemicals?
 - Nitrate poisoning



Harms (Australian 2016 GDS data)

■ % purchased 'legal highs' in last 12 months

■ % sought emergency medical treatment in last 12 months due to 'legal highs'



Synthetic Cannabis Withdrawal

- More complex than natural cannabis

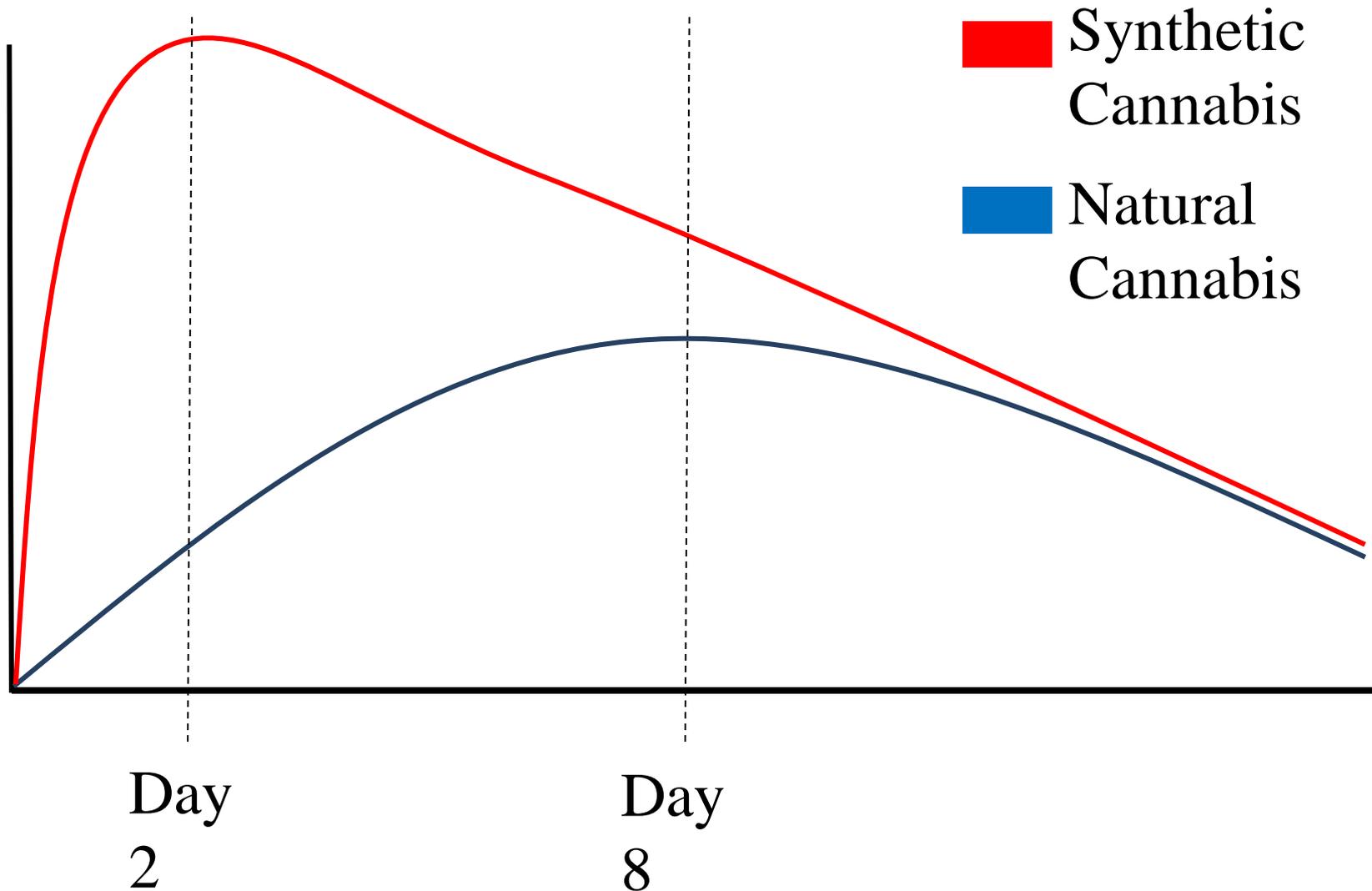


Synthetic Cannabis Withdrawal

- More complex than natural cannabis
- More acute and severe than natural cannabis
 - CWAS scores peak at 2 days (cf 7 – 10 days)
(Macfarlane & Chrisite, 2015)



CWAS Scores



Synthetic Cannabis Withdrawal

Phenomenological study of 6 people dependent on SC "known" to contain 5f-AKB48 & 5F-PB-22

(Van Hout & Hearne, in press)

Sx: nausea, vomiting, sweats, cold shivers, racing heart, weakness, emotionally labile, agitation, ...

"Every 2-3 hours it's like a routine... If you told me I'd be dead tomorrow morning from [it] I still wouldn't give it up"

"I would do it on my own ... [it] just gets a bit much on me"

Synthetic Cannabis Withdrawal

- More complex than natural cannabis
- More acute and severe than natural cannabis
 - CWAS scores peak at 2 days (cf 7 – 10 days)
 - Cases of psychosis and seizures

(e.g., Nacca et al., 2013)

- Consider the possibility of in-patient withdrawal
 - Inpatient Rx was deemed necessary for 53% of people seeking community treatment in NZ

(Macfarlane & Chrisite, 2015)

Rx Guidelines in an Acute Setting

Treatment recommendations similar to cannabis:

1. in acute setting, treat Sx (e.g., benzodiazepines for anxiety)
2. most Sx will resolve spontaneously
3. some with previously diagnosed psychotic disorders may not resolve as quickly
4. no specific treatments developed for chronic use/withdrawal, treat symptomatically

(Castellanos & Thornton, 2012)

Synthetic Cannabis - Epidemiology

Who is most likely to use synthetic cannabis given all of these unpleasant side effects?

Survey of 53 Australian synthetic cannabis users in 2013 from Global Drug Survey:

- 80% male
- Median age of 23
- 66% were employed
- Median age of first use of SC at 21
- 99% reported using natural cannabis
- **93% preferred natural cannabis**

(Winstock & Barratt, 2015)



Synthetic Cannabis - Epidemiology

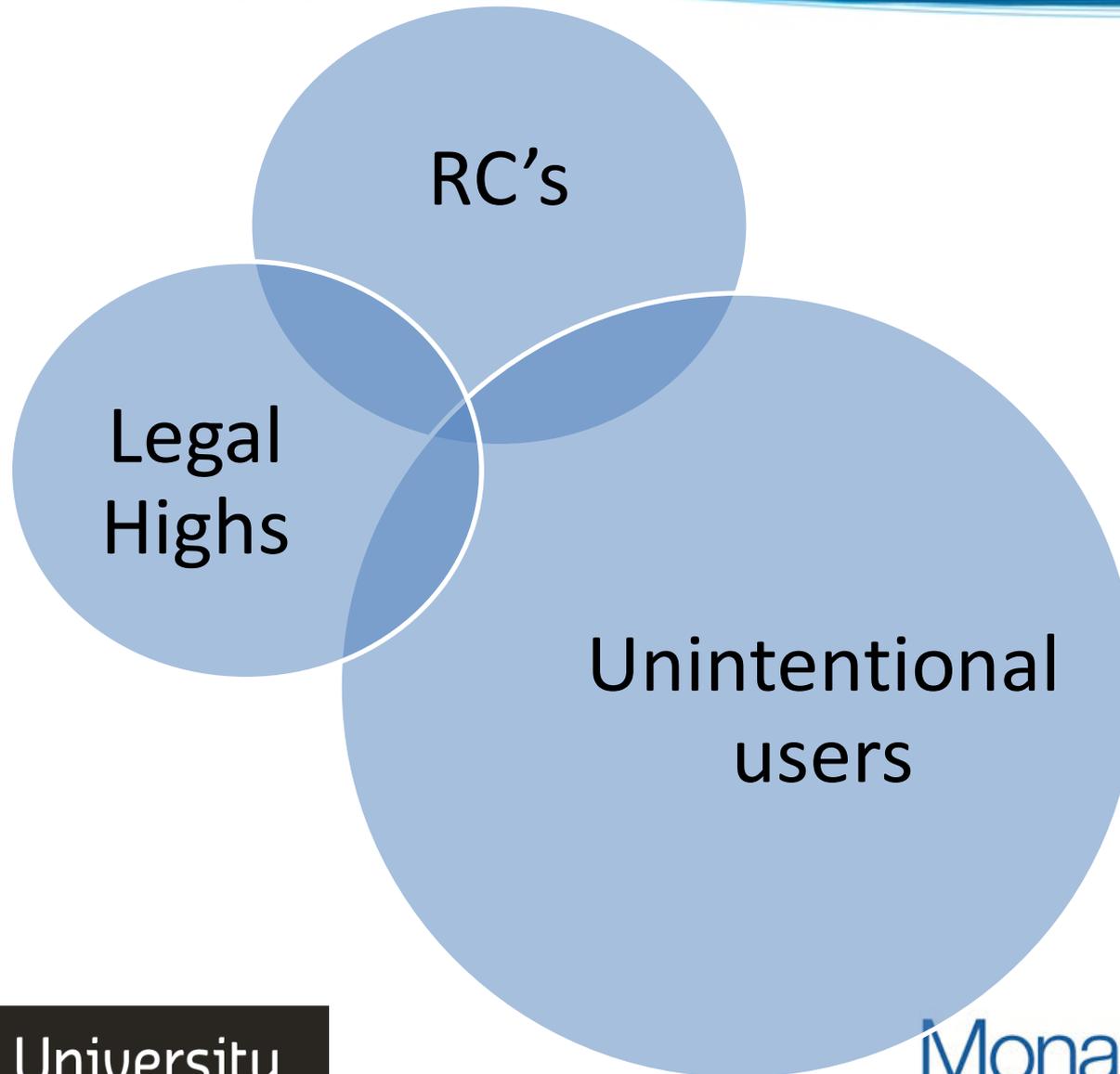
Of those who preferred it to natural Cannabis, why did they prefer it?

- More intense effect & shorter duration (58%)
- Easier to get than cannabis (19%)
- Avoid Urine Screens (15%)

(Winstock & Barratt, 2015)



Australian EPS/NPS users



Research Chemicals

Methoxetamine (MXE)

**“Overdose pair had
luck and an expert on
their side”**

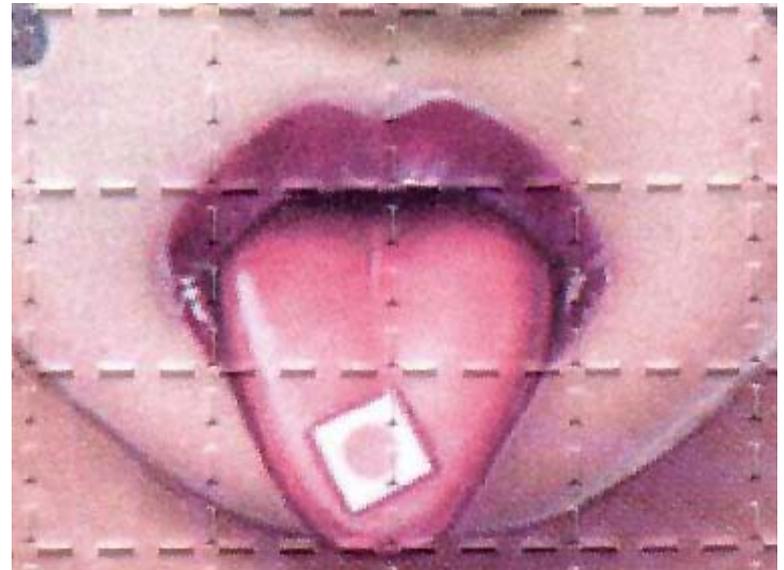
(Canberra Times, April 13 2013)



NBOMe series

**“NSW teen dies after
taking LSD”**

(National Nine News, December 6 2012)



Possible Unintentional Consumption

Ketamine

Methoxetamine

3-Meo-PCP

Heroin

Acetyl-fentanyl (10x)

MT-41 (hearing loss)

4FIB-fentanyl (4FIBF)

U47700

W-18 (?10,000)

****Carfentanil****

MDMA

BK-MDMA

Mephedrone

2C-B, 2C-I

MDPV

PMA

LSD

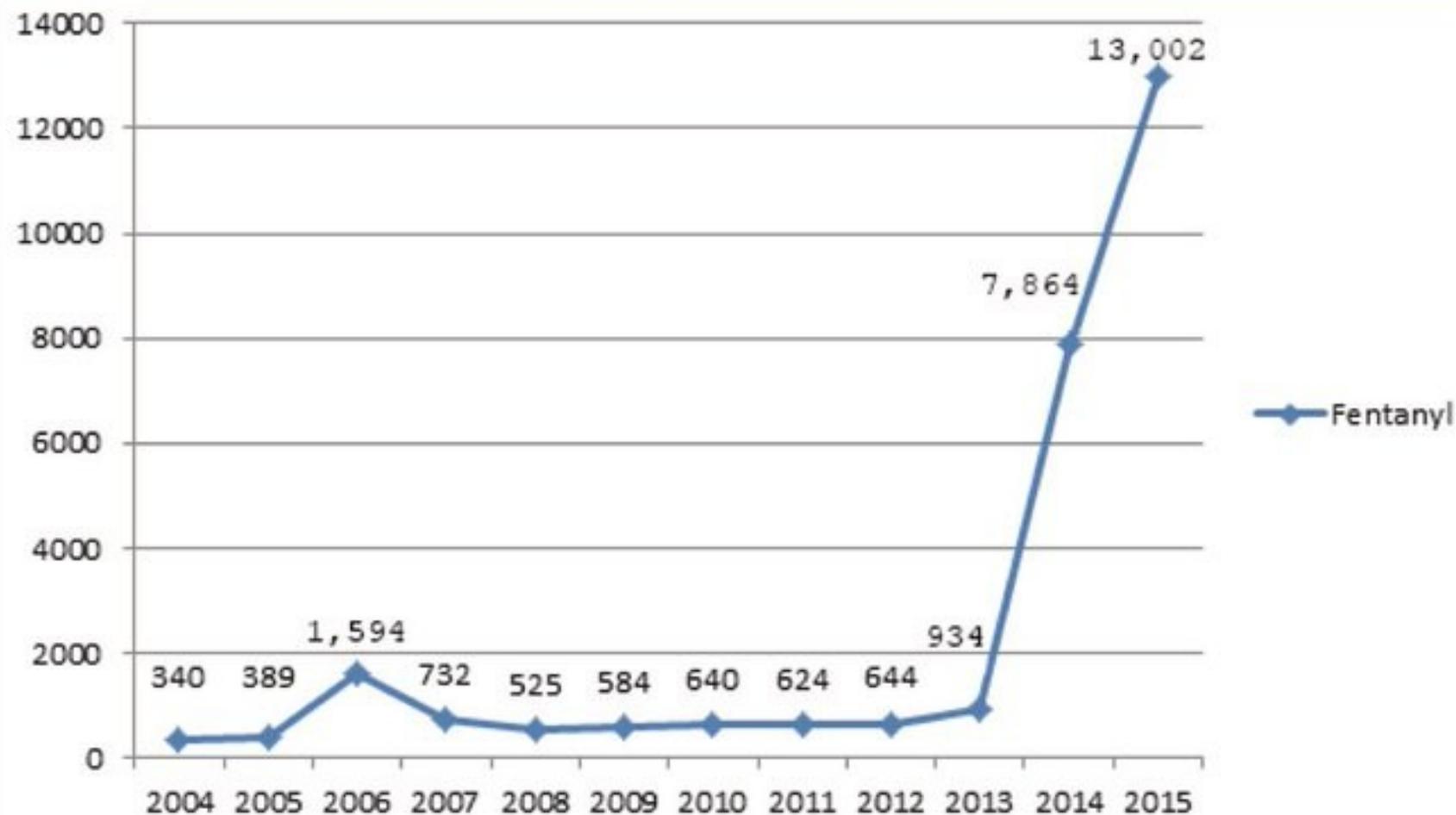
2C-E

DOM, DOB, DOI

NBOMe series

Counterfeit Opiate Pills

Figure 4: Number of Fentanyl Exhibits in NFLIS, 2004-2015



Source: DEA

Other scary stuff...

Alprazolam - 500mg

500mg of pure imported alprazolam. Includes express post. Inform yourself on proper safety and dosing before handling this product. This product is usually dissolved into a propylene glycol solution. You should avoid eyeballing your dose in the powder form as you may easily consume too much and end up sick or over-sleeping. Submit your ENTIRE ADDRESS IN CAPITAL LETTERS in the following f...

Sold by **Dimercurio** - 85 sold since Aug 26, 2015

Vendor Level 7

Trust Level 5

	Features		Features
Product class	Physical package	Origin country	Australia
Quantity left	Unlimited	Ships to	Australia
Ends in	Never	Payment	Escrow

Express Post - 2 days - AUD +0.00 / item

Purchase price: AUD 250.07

Qty: 1

Buy Now

Queue

0 2149 BTC

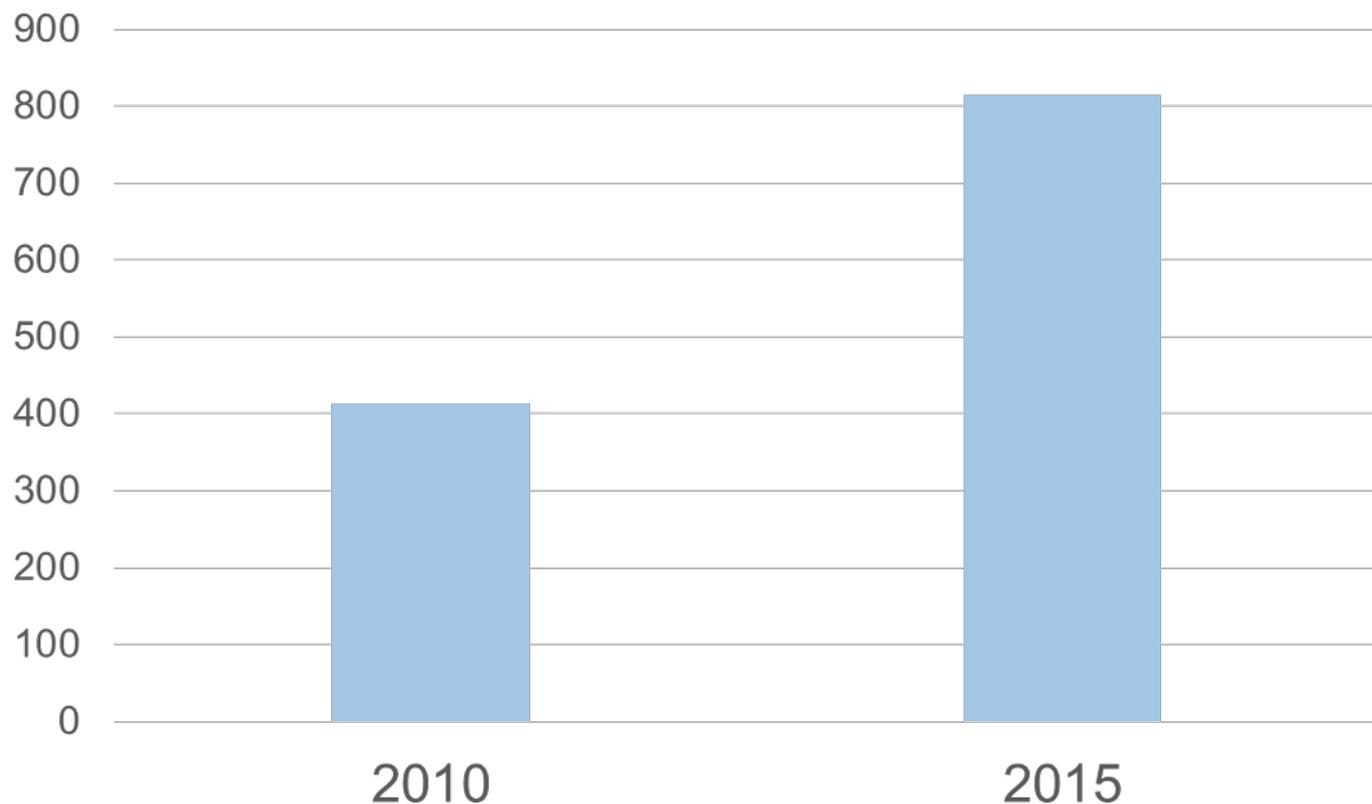


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Unintentional Users

The number of people presenting at NSW hospitals related to their use of ecstasy has almost doubled in the past six years



Assessment

The primary drug of choice that the person is presenting for may not be the most likely to cause them harm

- conversation around other drugs the person is using

The person's primary drug of choice may contain new and novel drugs that could cause harm

- conversation about new and emerging "adulterants" they may be unintentionally ingesting and the

Just Say No to Drugs



Just Say
Know to
Drugs





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EROWID

Documenting the Complex Relationship Between Humans & Psychoactives



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Psychoactive Chemicals

Psychoactive Chemicals are chemicals which have mind- or emotion-altering properties. These chemicals range from the common to the extremely uncommon and include chemicals with a long history of use as well as those with little to no track record.



NAME	OTHER NAMES	EFFECTS
ABSINTHE	Green Fairy	.
ACETYLFENTANYL	.	Pain Killer
ADRENOCROME	Pink adrenaline	.
AET	.	Psychedelic Tryptamine
ALCOHOL	Beer, Wine, Liquor	Depressant
alpha-PVP	Flakka, Gravel	Euphoric Stimulant
AMITRIPTYLINE	Elavil	Anti-depressant; Sedative
AMPHETAMINE	Speed	Stimulant
AMT	IT-290	Psychedelic Tryptamine
AYAHUASCA	Yage	Psychedelic Brew
BARBITURATES	.	Depressant
BK-MBDB	.	Euphoric Empathogen
BROMO-DRAGONFLY	3C-Bromo-Dragonfly	Psychedelic Phenethylamine
BUFOTENIN	Toad Venom, 5-Hydroxy-DMT	Psychedelic Tryptamine
BZ	.	Anti-cholinergic Psychedelic
BZP	Piperazine, A2	Stimulant
CAFFEINE	Coffee, Tea	Stimulant

<u>DET</u>	.	Psychedelic Tryptamine
<u>DIPT</u>	.	Psychedelic Tryptamine
<u>DMT</u>	Dimitri	Psychedelic Tryptamine
<u>DOB</u>	Bob, Dr. Bob	Psychedelic Phenethylamine
<u>DOC</u>	.	Psychedelic Phenethylamine
<u>DOI</u>	.	Psychedelic Phenethylamine
<u>DOM</u>	STP	Psychedelic Phenethylamine
<u>DPT</u>	.	Psychedelic Tryptamine
<u>DXM</u>	Robo, Tussin	Dissociative, Cough Suppressant
<u>EPHEDRINE</u>	Mini Thins	Stimulant
<u>ETHER</u>	.	Anaesthetic Gas
<u>ETHYLCATHINONE</u>	ethyl cat	Stimulant
<u>ETHYLENE</u>	.	Anaesthetic Gas
<u>ETHYLPHENIDATE</u>	.	Stimulant
<u>GHB</u>	G	Depressant
<u>GHV</u>	.	Depressant
<u>HARMALA</u>	Haoma, Harmine, Harmaline	MAOI
<u>HEROIN</u>	Horse	Opiate
<u>HYPOCRETIN</u>	Orexins	Hormone
<u>IAP</u>	.	Psychedelic Amphetamine
<u>IBOGAINE</u>	.	Psychedelic
<u>INHALANTS</u>	.	.
<u>KETAMINE</u>	K, Special K	Dissociative, Anaesthetic
<u>LSA</u>	LAA, LA-111, Lysergamide, Ergine	Psychedelic
<u>LSD</u>	Acid, L	Psychedelic
<u>LSZ</u>		Psychedelic
<u>MAOIs</u>	.	.
<u>MBDB</u>	Eden, Methyl-J	Psychedelic Amphetamine
<u>mCPP</u>	CPP, 3-CPP	Stimulant

MDMA

COMMON & BRAND NAMES

Ecstasy; E; X; XTC; Rolls; Beans; Adam; Molly

EFFECTS CLASSIFICATION

Euphoric Empathogen; Stimulant; Phenethylamine

CHEMICAL NAME

3,4-methylenedioxymethamphetamine

DESCRIPTION

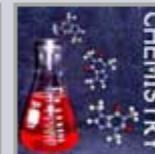
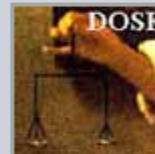
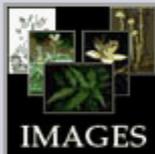
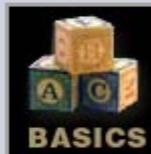
MDMA is one of the most popular recreational psychoactives, most commonly sold as "ecstasy" (usually tablets) or "molly" (usually crystals). It is known for its empathogenic, euphoric, and stimulant effects, and has also been used in psychotherapy.

CAUTION

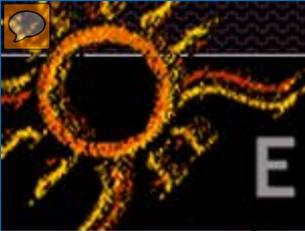
Ecstasy tablets are notoriously impure, often containing chemicals other than MDMA. See Ecstasydata.org for pill testing results.



Photo © Erowid.org



In 2016, some ecstasy tablets containing dangerously high doses of MDMA have been found in the EU. The slang name "[molly](#)" is traditionally used to refer to pure MDMA. However, other chemicals such as [ethylone](#), [methyone](#), and [MDPV](#) are often sold as "molly".



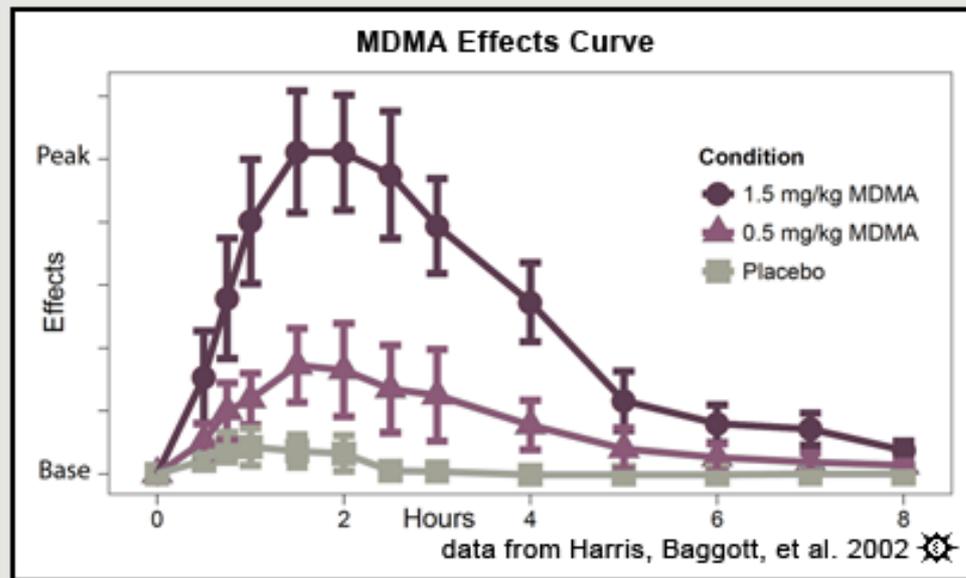
MDMA

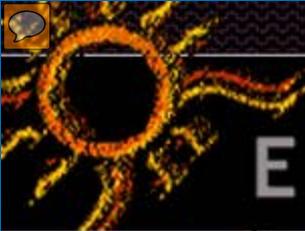
Effects

by Erowid

Caution : Reactions and experiences may vary dramatically from person to person. [\[see below\]](#)

MDMA Duration Oral	
Total Duration	3 - 5 hrs
Onset	20 - 90 mins
Coming Up	5 - 20 mins
Plateau	2 - 3 hrs
Coming Down	1 - 2 hrs
After Effects	2 - 24 hrs
Hangover / Day After	2 - 72+ hrs





Plants & Drugs ▾

Mind & Spirit ▾

Freedom & Law ▾

Culture & Art ▾

Library ▾

EFFECTS LIST -

POSITIVE

- mild to extreme mood lift, euphoria
- increased willingness to communicate
- increase in energy (stimulation)
- ego softening
- decreased fear, anxiety, and insecurities
- feelings of comfort, belonging, and closeness to others
- feelings of love and empathy
- forgiveness of self and others
- a sense of inner peace and acceptance of self, others, and the world
- increased awareness & appreciation of music
- increased awareness of senses (taste, smell, touch, hearing, vision)
- increased tactile sensation (pleasure from the sense of touch and being touched)
- life-changing spiritual experiences
- sensations bright and intense
- urge to hug and kiss people
- analgesia, anti-nociception, decreased pain perception

NEUTRAL

- decreased appetite
- visual distortion
- rapid, involuntary eye jiggling (nystagmus)
- mild visual hallucinations (uncommon)
- moderately increased heart rate and blood pressure (increases with dose)
- restlessness, nervousness, shivering
- change in body temperature regulation
- upwellings of unexpected emotion, emotional lability
- strong desire to do or want more when coming down

NEGATIVE

- (negative side effects increase with higher doses and frequent use)
- inappropriate and/or unintended emotional bonding
 - anxiety or paranoia (less common than opposite)
 - agitation (less common than opposite)
 - tendency to say things you might feel uncomfortable about later
 - mild to extreme [jaw clenching \(trisma\)](#), [tongue and cheek chewing](#), and [teeth grinding \(bruxia\)](#)
 - difficulty concentrating & problems with activities requiring linear focus
 - short-term memory scramble or loss & confusion
 - short periods of swooning, or disconnection from the external world, usually at very high doses or during brief blasts of intense rushing while coming up.
 - impaired ability to focus eyes / blurred vision (related to nystagmus and dilation)
 - muscle tension
 - insomnia, inability to fall asleep when physically tired
 - erectile dysfunction and difficulty reaching orgasm
 - increase in body temperature, hyperthermia, dehydration (drink water)
 - [hyponatremia](#) (don't drink too much water)

Harm Reduction for NPS

When trying a new tab, pill, or powder:

Reagent test kits

Never be the first person in your group to use

Always start off small:

- Your first dose should only be a $\frac{1}{4}$ dose
- Wait for at least 90-120 minutes before re-dosing

Only use one drug at a time

Never use alone

Use in a safe and familiar place

Don't drive, swim, play with knives or engage in other risky activities while under the influence of a drug

Make sure you're in the right head space

Plan ahead so that you have some downtime to recover

Clinical signs and Sx

Acute settings

Presentation: Ataxia, Tachycardia, Arrhythmia, Hypertension, Hyperthermia, Rhabdomyolysis, Kidney Failure, Nausea, Anxiety, Agitation, Confusion, and Paranoia.

Assessment

- Lab results?
- Clinical presentation & careful questioning

Treatment: Similar to prototype drug

- Benzo (not beta-blockers), Antipsychotics, Cooling, IV Saline

(Mas-Morey et al. 2012)

SURFACE WEB

Bing Google Wikipedia

DEEP WEB

Contains 90% of the information on the Internet, but is not accessible by Surface Web crawlers.

Academic Information
Medical Records
Legal Documents
Scientific Reports
Subscription Information

Multilingual Databases
Financial Records
Government Resources
Competitor Websites
Organization-specific Repositories

Social Media

(DARK WEB)

A part of the Deep Web accessible only through certain browsers such as Tor designed to ensure anonymity. Deep Web Technologies has zero involvement with the Dark Web.

Illegal Information
TOR-Encrypted sites

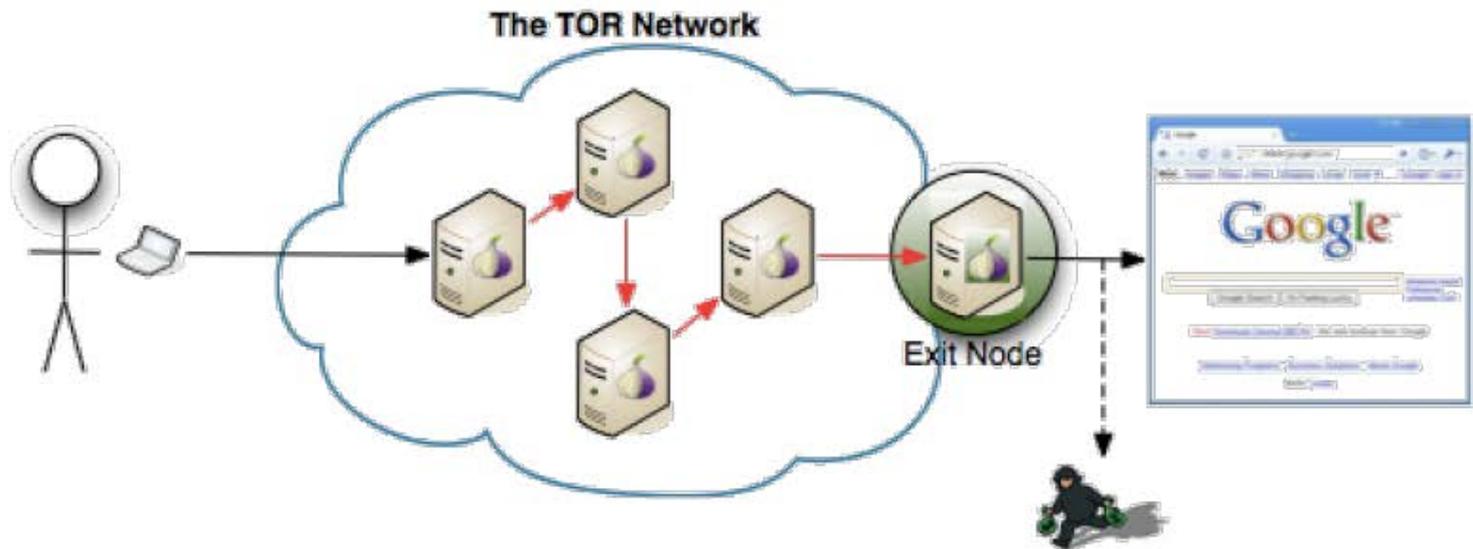
Political Protests

Drug Trafficking sites
Private Communications

Deepweb Market Places

- Darknet markets exist on the TOR network
 - Must know the exact address to access market
 - Markets sometimes require referral
- Anonymous currency BitCoin is used
 - Highly fluctuating

(Van Buskirk, 2006)



Background – Typical purchasing

Step 1: Commit to buy listing

- Bitcoins are held in 'escrow' by the marketplace

Step 2: Retailer receives order

- Retailer sends out package and marks order as 'sent'

Step 3: Customer receives package

- Marks order as received

Step 4: Funds are released to retailer

(Van Buskirk, 2006)

Deepweb Market Places

The screenshot shows a web browser window displaying search results on the 'Alphabay' deepweb market. The browser's address bar shows the URL: `alphabaywyrktqn.onion/search.php?cat2=on&cat20=on&cat148=on&s_terms=&s_ltype=0&s_lphysical=2&s_minprice=0.00&s_maxprice=99999.99&s_countryic`. The search bar contains the word 'Search'. On the left side, there is a navigation menu with categories and their respective item counts:

- Fraud: 20379
- Drugs & Chemicals: 105677
 - Benzos: 8234
 - Cannabis & Hashish: 33927
 - Dissociatives: 2316
 - Ecstasy: 16371
 - Opioids: 8670
 - Pills: 3121
 - Heroin: 2267
 - Fentanyl & RCs: 1263
 - Other: 2019
 - Prescription: 5086
 - Steroids: 3153
 - Stimulants: 17773
 - Tobacco: 309
 - Weight Loss: 295
 - Other: 1175
 - Paraphernalia: 627
 - Psychedelics: 7741
 - Guides & Tutorials: 8632
 - Counterfeit Items: 4164
 - Digital Products: 9447
 - Jewels & Gold: 849

The main content area displays five search results for heroin, each with a small image, a title, item number, views, bids, and a buy price in USD and BTC. The results are:

- [FE 100%] [Sticky] *SPECIAL PRICE* 0.5 gram white heroin australia Worldwide**
Item # 15339 - Opioids / Heroin - ozconnection (2229)
Views: 2849 / Bids: Fixed price
Quantity left: Unlimited
Buy price: USD 80.00 (0.1487 BTC)
- [FE 100%] [Sticky] *PURE UNCUT* 0.1 gram white heroin australia Worldwide**
Item # 15330 - Opioids / Heroin - ozconnection (2229)
Views: 2284 / Bids: Fixed price
Quantity left: Unlimited
Buy price: USD 60.00 (0.1115 BTC)
- [FE 70%] Heroin #4, 2 points. Aussie residents. Free Express Shipping.**
Item # 8547 - Opioids / Heroin - jenjen (5565)
Views: 9681 / Bids: Fixed price
Quantity left: Unlimited
Buy price: USD 40.83 (0.0759 BTC)
- [FE 70%] ✓PURE HEROIN #4✓ AUSTRALIANS ONLY→ 0.1g★**
Item # 16553 - Opioids / Heroin - jenjen (5565)
Views: 3907 / Bids: Fixed price
Quantity left: Unlimited
Buy price: USD 68.77 (0.1278 BTC)
- [FE 70%] ✓PURE HEROIN #4✓ AUSTRALIANS ONLY→ 0.3g★**
Item # 16555 - Opioids / Heroin - jenjen (5565)
Views: 2767 / Bids: Fixed price
Quantity left: Unlimited
Buy price: USD 153.29 (0.2849 BTC)



Deepweb Market Places



 [FE 100%] [Sticky] *SPECIAL PRICE* 0.5 gram white heroin australia Worldwide
Item # 15339 - Opioids / Heroin - ozconnection (2229)

Views: 2849 / Bids: Fixed price
Quantity left: Unlimited

Buy price
USD 80.00
(0.1487 BTC)



 [FE 100%] [Sticky] *PURE UNCUT* 0.1 gram white heroin australia Worldwide
Item # 15330 - Opioids / Heroin - ozconnection (2229)

Views: 2284 / Bids: Fixed price
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 [FE 70%] Heroin #4, 2 points. Aussie residents. Free Express Shipping.
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Quantity left: Unlimited

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USD 40.83
(0.0759 BTC)



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Deepweb Market Places

The screenshot shows a web browser window with the URL `alphabaywyrktqn.onion/search.php?cat2=on&cat20=on&cat149=on&s_terms=&s_ltype=0&s_lphysical=2&s_minprice=0.00&s_maxprice=99999.99&s_countryic`. The page header includes the AlphaBay Market logo and a navigation menu with items like HOME, SALES, MESSAGES, ORDERS, LISTINGS, BALANCE, FEEDBACK, FORUMS, API, and SUPPORT. A currency converter bar shows rates for USD, CAD, EUR, AUD, and GBP. The main content area is titled "Search Results" and features a sidebar with "BROWSE CATEGORIES" and a list of items. The categories list includes Fraud (19161), Drugs & Chemicals (96675), Benzos (7596), Cannabis & Hashish (31015), Dissociatives (2122), Ecstasy (15046), Opioids (7910), Pills (2797), Heroin (2059), Fentanyl & RCs (1086), Other (1968), Prescription (4727), and Steroids (2768). The search results list includes:

- Fentanyl 4mg Nasal Spray**: Item # 60378 - Opioids / Fentanyl & RCs - exception (211). Views: 3777 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 100.00 (0.2170 BTC).
- Fentanyl 2mg Injection**: Item # 60380 - Opioids / Fentanyl & RCs - exception (211). Views: 1882 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 50.00 (0.1085 BTC).
- Fentanyl blotters(500ug) x 5**: Item # 25881 - Opioids / Fentanyl & RCs - TheLittleguys (326). Views: 360 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 55.00 (0.1193 BTC).

Deepweb Market Places

The screenshot shows a web browser window with the URL `alphabaywyrjktqn.onion/search.php?cat2=on&cat20=on&cat149=on&s_terms=&s_ltype=0&s_lphysical=2&s_minprice=0.00&s_maxprice=99999.99&s_countryic`. The page displays search results for 'acetylfentanyl - Grams'. On the left, there is a sidebar with navigation categories: Jewels & Gold (823), Weapons (1567), Carded Items (1993), Services (4231), Other Listings (1714), Software & Malware (1441), and Security & Hosting (386). Below this is a 'SEARCH OPTIONS' section with filters for search terms, listing type (All, Fixed Price, Auction), product type (All, Digital, Physical), price range (USD 0.00 to USD 99999.99), origin country (Australia), ships to (Any), order by (Most popular item), and active vendor (Active vendor listings).

The main content area shows four search results, each with a small image, a description, and pricing information:

- Item 1:** 50 MG 4FIBF, a Fentanyl Analogue. Stronger than Fentanyl HCL. 150 the strength of pure Heroin. 53 cents per regular dose of 0.3(hospital quantity). . If H is 35 mg regular dose(pure) H = \$44 per dose.. 99.99% purity lasts up to 48 hours. Item # 113546 - Opioids / Fentanyl & RCs - Etizoman (77). Views: 262 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 118.90 (0.2580 BTC).
- Item 2:** 200 MG FIBF A Fentanyl Analogue. Stronger than Fentanyl HCL. 150 times strength of heroin. 99.9% PURITY Incredible length of action. Varies from 12-48hours. Item # 106909 - Opioids / Fentanyl & RCs - Etizoman (77). Views: 222 / Bids: Fixed price. Quantity left: 9. Buy price: USD 267.93 (0.5813 BTC).
- Item 3:** [MS] Fentanyl 20mg Injection (High Concentration) Item # 136025 - Opioids / Fentanyl & RCs - exception (211). Views: 110 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 300.00 (0.6509 BTC).
- Item 4:** [MS] 150 mg Furanyl fentanyl 0.5--0.9 mg average dose required. Stop wasting your money on Heroin. 50X stonger. Furanyl is \$1.98 per hit.. Equivalent price of high grade H is . \$22 per hit vs Femts \$1.98. ... Item # 143804 - Opioids / Fentanyl & RCs - Etizoman (77). Views: 40 / Bids: Fixed price. Quantity left: Unlimited. Buy price: USD 112.17 (0.2434 BTC).



Deepweb Market Places

Etizoman | User Profile



Etizoman (77) Vendor Level 1 Trust Level 4

Positive feedback (last 12 months): 100%
[\[How is the feedback score calculated?\]](#)

Member since: February 9, 2016
Contracts: 0 in progress, 0 complete

- [View Store](#)
- [Send Message](#)
- [Favorite](#)
- [Blacklist](#)

Seller Feedback Ratings

(last 12 months)

? Buyer Statistics

(since join date)

?

	1 month	6 months	12 months		Since join	
Positive		8	40	0	Total disputes / orders 0 / 0	
Neutral		0	0	0	Total spendings --	
Negative		0	0	0	Feedback left 0 (100.0% positive)	
				0	Last online May 10, 2016	
				Stealth	Quality	Value for price
				★★★★★	★★★★★	★★★★★

Detailed seller ratings:



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Deepweb Market Places

Detailed seller ratings:

-  Very Nice, This is the real deal, Use Fentanyl all the time and this is better and a lot cheaper, wi...
-  awesome vendor and product 5/5
-  Dont hesitate with Eltizoman one of the very best vendors on here.. very quick to respond.. next day...
-  NDD and fucking strong stuff... we need to be really careful with this stuff , it is not a joke.. Th...
-  Fast, professional and helpful vendor, and a great product. Thanks.

About

Positive Feedback

Neutral Feedback

Negative Feedback

Feedback Left

PGP

Total positive feedback: 48

100% of all feedback



Feedback	Buyer / Price	Date / Time
 Very Nice, This is the real deal, Use Fentanyl all the time and this is better and a lot cheaper, will be back for sure 250 mg Furanyl fentanyl 0.5 mg dose required. Stop wasting your money on Heroin. 40X stonger..	l...r USD 178.9700	May 5, 2016 12:36 View Item
 Fast, professional and helpful vendor, and a great product. Thanks. IMPORTANT NEWS FIRST PARAGRAPH! 200 MG 4FIBF, a Fentanyl Analogue. Almost as strong as Fentanyl HCL.150 times strength of heroin.	b...r USD 267.9300	May 5, 2016 11:12 View Item
 NDD and fucking strong stuff... we need to be really careful with this stuff , it is not a joke.. Thanks mate I'm really happy with my order.. i will be back for sure STOP WASTING MONEY ON HEROIN!!!. 50 MG 4FIBF, a Fentanyl Analogue. As strong as Fentanyl HCL. 150 the strength of pure Heroin 35 times cheaper per dose. 99,99% purity. up to 48 hours per mg.	e...r USD 126.2800	May 5, 2016 08:33 View Item
 awesome vendor and product 5/5	s...6	May 5, 2016 01:02



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STOP WASTING MONEY ON HEROIN!!!. 50 MG 4FIBF, a Fentanyl Analogue. As strong as Fentanyl HCL. 150 the strength of pure Heroin when including duration time. 150 would get you 1 day "pure H" This will last you 3 weeks at least if used properly

This is 65-85 doses!<--I've put this at the top to ensure people who don't read my warnings that they understand the potency. Snort a quarter match stick approx. This is 4Fibf Fentanyl. Every person who has purchased this has loved it. I've taken it every day for months and this stuff is the best opioid I've ever had. The feeling is fairly close to heroin with a lesser rus...

Sold by **Etizoman** - 12 sold since Feb 23, 2016

Vendor Level 1

Trust Level 4

	Features		Features
Product class	Physical package	Origin country	Australia
Quantity left	Unlimited	Ships to	Australia
Ends in	Never	Payment	Escrow

EMERGENCY FRIDAY DELIVERY SAME DAY - 1 days - USD +74.78 / item

Purchase price: USD 114.87

Qty:

Buy Now

Queue

0.2525 BTC



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@ACTINOSproject

@GlobalDrugSurvy

@EMCDDA

@VAADA_News

@YoDDA_Workers

@monicabarratt

@...



Resources – www.adf.org.au



Bright, S. (2013). New and Emerging Drugs: What do clinicians, allied health & youth workers need to know? Melbourne, Australia: Australian Drug Foundation