

# Alert on new recreational drugs on the web; building up the Psychonaut, European-wide, digital Early Warning System (Monitoring System)

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# Content

- Background
- Early findings
- Next steps

# Background

- The internet and the new drug trade (2000)
  - Hundreds of web sites advocate, sell and provide detailed 'recipes' for synthesizing, growing, consuming a variety of drugs
  - Attractive messages, easily accessible
  - Misinformation and misuse of the scientific evidence
  - Young people targeted
  - Socio-cultural changes (from street sales to home delivery)
  - Lack of research

# Internet access in UK

- 1995 - less than 5%
  - 2000 - 35%
  - 2005 - 55%
  - 2007 - 61%
- 
- 51% (84%) broadband (2007)

# Internet

- Websites (18k in 1995 - 50ml in 2004 - 100ml in 2006)
- Forums/chats/podcasts
- Peer-to-peer
- Video chats
- Instant messages
- TV - Radio (incl.YouTube)
- Games (multi-users games, virtual words)



# Psychonaut 2002

- Background
  - 2 yr EU funded project
  - 15 countries
  - Lead by Fabrizio Schifano (St George's)
  - 1st multicentre study of mapping the web

# Psychonaut 2002

- Aims
  - To develop a reliable methodology to search and assess online data
  - To collect and analysis data on recreational/illicit substances from web pages
  - To provide professionals with easily accessible information
  - To identify emerging trends
  - To plan an Early Warning System

# Psychonaut 2002

- Questions
  - How many sites do promote the use of drugs?
  - Are these easily found?
  - How many sites do sell drugs? and what kind of drugs?
  - How?

# Methodology

- 11 substances (incl. cannabis, mdma, heroin, prescription drugs, amphetamines)
- 8 languages
- Two search engines (Google vs Altavista)
- First 100 + 5% of 101-1,000 = 4,730

# Examples

Minnesota Donkey and Mule Association


Back Forward Stop Refresh Home AutoFill Print Mail

Address: <http://www.mndonkeyandmule.com/> go

Live Home Page Apple Apple Support Apple Store .Mac Mac OS X Microsoft MacTopia Office for Macintosh MSN

**The One, the Only,  
Minnesota Donkey and Mule Association**


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Brad Allison with his winning run at the State Show.


**Check out the Classifieds Here!**

**2003 State show results**

[2002 Minnesota Horse Expo Photos!](#)

Donkeys

Riding Mules

Mammoth Jackstock

# Example

Erowid 2C-T-2 Vault

http://www.erowid.org/chemicals/2ct2/ Google

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## 2C-T-2

(2,5-dimethoxy-4-ethylthiophenethylamine)

RESEARCH  
CHEMICAL

DOSE

LAW

CHEMISTRY

IMAGES

### GENERAL INFORMATION

[Pihkal Entry on 2C-T-2](#) ⚙

[Sulfurous Samadhi - An Investigation of 2C-T-7 & 2C-T-2, by Murple](#) ⚙

[2C-T-2 and Drug Tests](#) ⚙

### HISTORY

[2C-T-2 Timeline](#) ⚙

### RESEARCH & JOURNAL ARTICLES

[Preliminary Results with New Psychoactive Agents 2C-T-2 AND 2C-T-7](#) ⚙

### EXPERIENCES

[Ruthless Clarity of Communication, by Andrea](#) ⚙

[A Clear, Laser-like Objectivity, by Hara Ra](#) ⚙

[Unremarkable with Body Load, by Scotto](#) ⚙

[Anomalous Results, by Murple](#) ⚙

[Good Body Feelings, by Psynergy](#) ⚙

» » » MORE » » »

Search

# Example

American Chemical Supply - Products

http://www.americanchemicalsupply.com/2ct2.htm

Google

**americanchemicalsupply**  
OPERATED BY ACS INC.

★ HOME ★ DISCLAIMER ★ PRODUCTS ★ PAYMENT OPTIONS ★ CONTACT

✓ Cheap Prices ✓ Quality Product ✓ Fast Shipping ✓ Excellent Customer Service

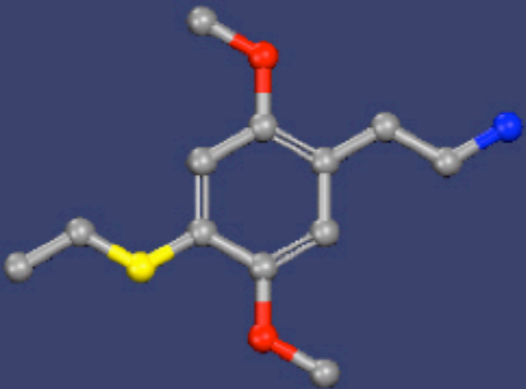
**Products**

Chemical Name: 2,5-Dimethoxy-4-Ethylthiophenethylamine :

Synonym(s): 2C-T-2

Purity: 98%+

In Stock: Yes



**Choose A Quantity:**

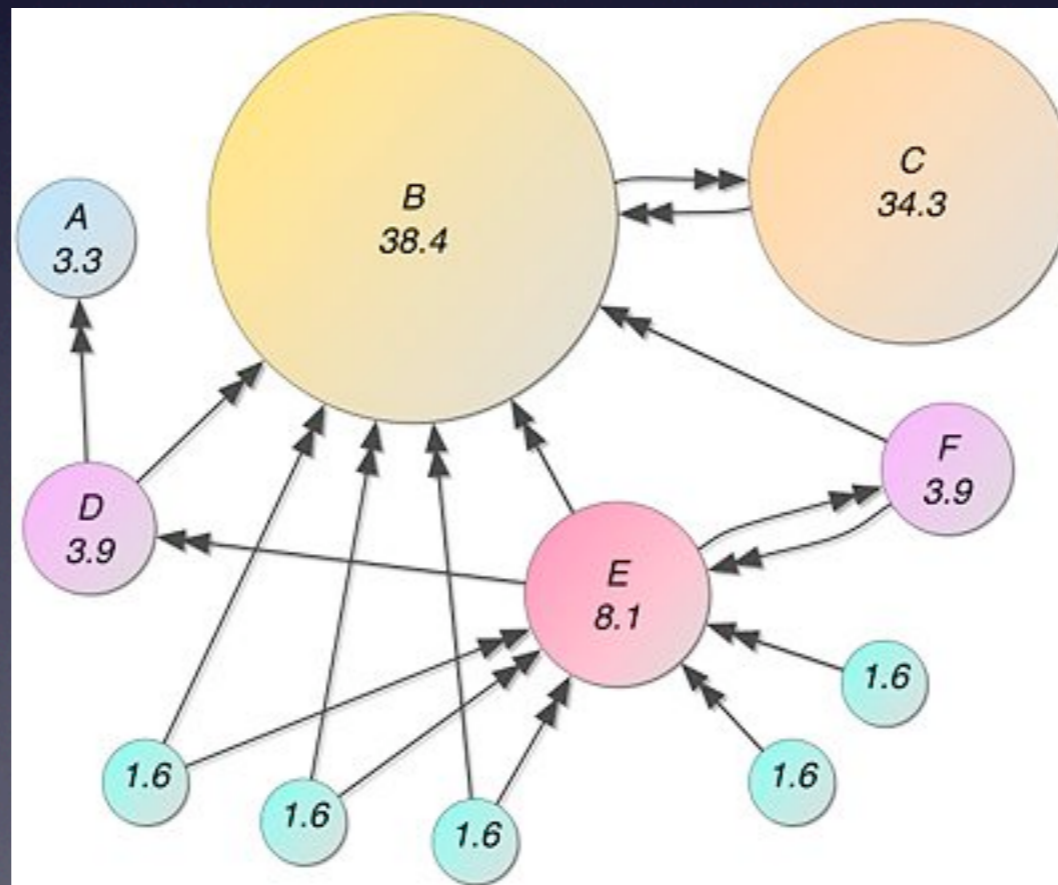
- 100mg- \$35.00
- 500mg- \$130.00
- 1,000mg- \$199.00
- 2,000mg- \$398.00
- 5,000mg- \$950.00
- 10,000mg- \$1,800.00

# Variables

- 63 (incl. country, address, size, disclaimer, forums, links)
- Attitudes towards drugs (Pro vs Against)
- Ranking

# Ranking

- Measuring webpage's relative importance



# Findings

- Harm reduction (10%) and pro drugs (18%) websites showed top ranking levels than governmental, anti drugs and prevention websites (42%)
- Different ranking for different substances (recreational drugs vs hard drugs)
- Evidence of new compounds/emerging trends
- Online shops (6%)

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## EDIT

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But wait, you lucky lucky people... for there is more.

Within our pages, you can learn how to skin up all manner of spliffs, how to build a bong from household items, how to cook with cannabis, find out the best places to go in Amsterdam, & learn all about this

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HOWARD SAYS:

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## YES!

I'M OVER 18, I'VE READ THE DISCLAIMER AND I WANT IN!

## NO!

CANNABIS SCARES ME... I THINK I SHOULD GO NOW.

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- Discreet packaging for your order
- 48 hour response time

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A B C D E F H I K L M N P R S T U V X Z

### Top Fourteen

- > Alprazolam
- > Broma
- > Chlordiazepoxide
- > Ciprin
- > Darvon
- > Diazepam
- > Emotivan
- > Lamisil
- > Ritalin
- > Tranxene
- > Valium
- > Xanax
- > Zithromax

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### A

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[Abozole Infusion](#)  
[\(Flagyl](#)  
[Metronidazole\)](#)

[Actrapid HM](#)  
[\(Penfill](#)  
[Insulin Novo 5x1.5ml\)](#)

[Aiol Cr](#)  
[\(Retin-A Tretinoin\)](#)  
[Alp](#)

[Actrapid \(Beef](#)  
[\(Insulin Novo 10ml\)](#)

[Acugesic](#)  
[\(Ultram Tramadol\)](#)

[Aldactone](#)  
[\(Spironolactone\)](#)  
[Apdoxy](#)

[Actrapid HM](#)  
[\(Insulin Novo](#)  
[Syringes 3mlx5\)](#)

[Aerolin](#)  
[\(Ventolin\)](#)

[Aldomet](#)  
[\(Methyldopa\)](#)  
[Ativan](#)

# Plants/herbs

- *Salvia divinorum*
- *Lophophora williamsii* (“Peyote”)
- *Trichocereus pachanoi* (“San Pedro”)
- *Banisteriopsis caapi* (“Ayahuasca”)
- ...and more Herbal Hights

# Example

## Herbal drugs

Energizers

Aphrodites

Vitamins &

Ayahuasca

Salvia

Detoxers

Herbal drugs are a safe and natural alternative for chemical drugs and other stimulants. There are herbals with effects which you hardly notice at all and there are herbals from which you feel like you can jump 2 meters high.

Choose a herbal to read more about the effects:

- Energizers which give you power and a euphoric feeling.
- Aphrodites which give you sex stimulance.
- Vitamins & Detoxers helps to avoid or get rid off a hangover.
- Ayahuasca This magical drinks makes you halucinate.
- Salvia Divinorum shows you other places.



# Prescription drugs and other

- Darvon
- Prozac
- Ritalin
- Viagra
- Anabolic steroids
- Barbiturates

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Try our drugs list alphabetically ordered:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Top medicines

**Anti Anxiety** Ativan  
Bromazepam  
Diazepam  
Librium  
Klonopin  
Valium  
Xanax

**Antibiotics** Cipro  
Doxycycline  
Zithromax

**Anti-depressants** Prozac  
Zoloft

**Pain Relief** Acugesic  
Darvon  
Tramadol

**Muscle Relaxants** Ritalin

# Opioid analgesics

- Buprenorphine; butorphanol; codeine; dextropropoxyphene; hydromorphone; levorphanol; meperidine; methadone; morphine; nalbuphine; opium injection; oxycodone; oxymorphone; pentazocine; propoxyphene

# Hallucinogenic tryptamines and phenethylamines

- DMT (dimethyltryptamine);
- 4 OH-DET (N,N-diethyl-4-hydroxytryptamine);
- 4 OH-DIPT (4-hydroxy-N,N-diisopropyltryptamine);
- 5-MeO-DMT (5-methoxydimethyltryptamine);
- 2C-I (2, 5-dimethoxy-4-iodophenethylamine);
- 2C-T-2 (2, 5-dimethoxy-4-ethylthiophenethylamine)
- 2C-T-7 (2, 5-dimethoxy-4-(n)-propylthiophenethylamine)

# JMar Chemical



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## Store Departments:

Featured Products

New Products

Current Discounts

Coming Soon

Lab Equipment

## Current Discounts

Quantity	Item Number	Item Name	Item Description	Price
<input type="checkbox"/>	PD100C	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 500mg	\$97.00
<input type="checkbox"/>	PD100D	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 1g	\$169.00
<input type="checkbox"/>	PD100E	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 2g	\$297.00
<input type="checkbox"/>	PD100F	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 5g	\$625.60
<input type="checkbox"/>	PD100G	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 10g	\$996.38
<input type="checkbox"/>	PD100Z	2,5-Dimethoxy-4-ethylthiophenethylamine	HCl, 20g	\$1803.39
<input type="checkbox"/>	PD103C	2,5-Dimethoxy-4-chlorophenethylamine	HCl, 500mg	\$137.50
<input type="checkbox"/>	PD103D	2,5-Dimethoxy-4-chlorophenethylamine	HCl, 1g	\$268.00
<input type="checkbox"/>	TD014C	4-Hydroxy-N,N-Diisopropyltryptamine; 4-HO-DIPT	500mg	\$119.00
<input type="checkbox"/>	TD014D	4-Hydroxy-N,N-Diisopropyltryptamine; 4-HO-DIPT	1g	\$199.00
		4-Hydroxy-N,N-		

# Users' accounts

- “...Similar to our results with combining DMT/DPT/5-MeO-DMT with ketamine, combining 4-acetoxy-DET with ketamine also provides and incredible synergy. Highly recommended for the cosmic-mystical near-death inclined...Of the many things i have tried the DMT/K combination is my favorite medicine...Xenon gas while on mushrooms or LSD comes in at close second...”

# Evidence based information

- Lack of evidence based information on novel compounds and emerging trends
- Need of providing accurate assessments on alleged effects and side effects

# Next steps

- Building up the **P**sychnaut European wide **M**onitoring **S**ystem
- Internet as a source of information on emerging trends and novel compounds

# Building up a monitoring system

- Grant submitted to the EU in June 2006
- Awarded in Nov 2007
- Started in Jan 2008
- 2 yr project

# Partners

- Finland, A-Klinikka
- Norway, Bergen Clinic
- Italy, SerT Ancona
- Belgium, De Sleutel
- Spain, University of Barcelona
- Germany, University of Essen
- England, St George's and Herts

# Aims

- Monitoring the web (9 languages, multiple substances)
- Conducting assessments and technical evaluations on novel compounds and emerging trends (eg toxicological effects)
- Building up the online database and monitoring system

# Integration with existing monitoring/EWS

- EMCDDA - Reitox EWS (New Synthetic drugs)
- European Prospective on Drugs (E-POD)
- European Information System and Database on New Drugs (EDND)

# Key informants

- Clinicians
- Ravers
- Club attenders
- Web surveys and mapping

# Stakeholders

- Dept of Health
- EMCDDA
- A&Es
- National Focal Points
- National Poison Centres
- Drug Treatment Centres

# More information

- Email: [Paolo.Deluca@iop.kcl.ac.uk](mailto:Paolo.Deluca@iop.kcl.ac.uk)