

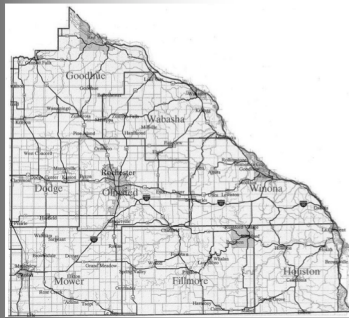
Southeast Minnesota Violent Crime Enforcement Team

Sergeant Tim
Parkin

Olmsted Co.
Sheriff's Office



SEMNV CET Geographical Area





Types of Drugs Sold/Used

- Methamphetamine
- Cocaine / Crack cocaine
- Marijuana
- Ecstasy, Club Drugs
- Heroin
- Prescription Drugs
- LSD, Acid
- Mushrooms
- Khat
- Plant Food/Bath Salts
- Synthetic drugs (spice, K2, etc..)



One Point of Heroin



Main use is injection



Heroin is commonly smoked



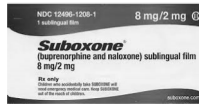
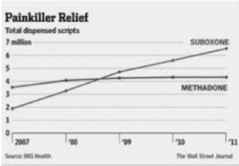
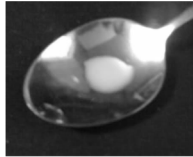
Methadone



Rochester Metro Treatment Center



Suboxone



Opioids

- A police department in the metropolitan area recently had 3 overdoses.
- Victims thought they were purchasing Oxycontin.
- BCA lab confirmed pills contained Carfentanil.
- Lab tests state Carfentanil can be up to 10,000 times more potent than morphine.



Carfentanil locally



Results of Laboratory Examination:

Item	Amount	Contents
1	2.601 ± 0.005 gram(s)	containing cocaine
2	2.264 ± 0.005 gram(s)	containing heroin
→ 3	0.010 ± 0.005 gram(s)	containing furanyl fentanyl or isomer thereof, carfentanil, and heroin

Unknown Death 1-21-16



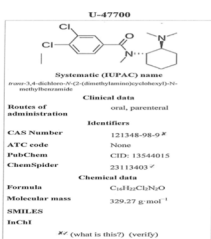
Unknown Substances U-47700

U-47700¹³ is an opioid analgesic drug developed by a team at Upjohn in the 1970s.¹³ U-47700 was derived from an earlier opioid A11-7921. U-47700 is selective for the μ -opioid receptor, having around 7.5 × the potency of morphine in animal models.¹³

U-47700 is the result of a great deal of work elucidating the quantitative structure-activity relationship of the scaffold. The team looked for the key moieties which gave the greatest activity.¹³ Upjohn posted over a dozen patents on related compounds, each optimizing one moiety.¹³ U-47700¹³ until they discovered that U-47700 was the most active.¹³

U-47700 became the lead compound of selective kappa-opioid receptor ligands such as U-50488 (containing a single methylene spacer difference) and U-69,593, which share very similar structures.¹³ Its structure led to other chemists experimenting with it to see if rigid analogues would retain activity.¹³ Although not used medically, the selective kappa ligands are used in research.¹³

U-47700 has never been studied in humans, but would be expected to produce effects similar to those of other potent opioid agonists, including strong analgesia, sedation, euphoria, constipation, itching and respiratory depression which could be harmful or fatal. Tolerance and dependence would be expected to develop. Since affinity to kappa receptors has not been measured, it may also induce dysphoria and other unwanted side-effects but its 3D-QSAR makes this most unlikely.¹³ Its structure is somewhat similar to U-50488, a pure kappa agonist.

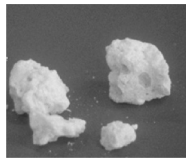
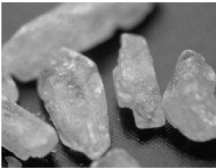
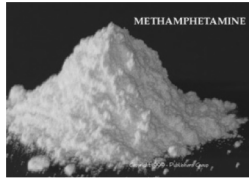
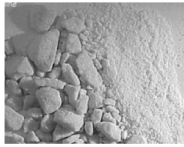


Playing Catch-up

UPDATE: The DEA announced Thursday that they have added U-47700 to the list of Schedule I drugs, set to go into effect on November 14th, 2016. As an emergency scheduling, it will stay on the list for 24 months - with a possible 12-month extension - while they determine if the drug should remain there permanently.

A research chemical known as U-47700 has recently dominated headlines as a dozen states (including Ohio, Florida, Georgia and Oregon) moved to ban the newly popular drug, and the Drug Enforcement Administration announced plans to assign it Schedule I status. Sometimes referred to simply as U4, the super-strong synthetic opioid has been cited as the cause of dozens of deaths across the U.S. in the last several months - including, most notably, the overdose death of Prince, caused by a "cocktail" that included Fentanyl and U-47700.

Methamphetamine







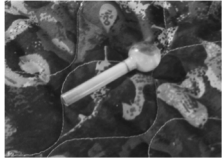
Meth overdose



Death from Swallowing evidence



Typical Meth Paraphernalia

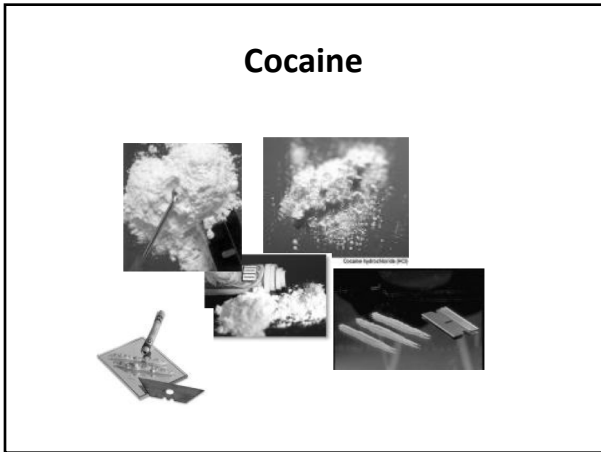


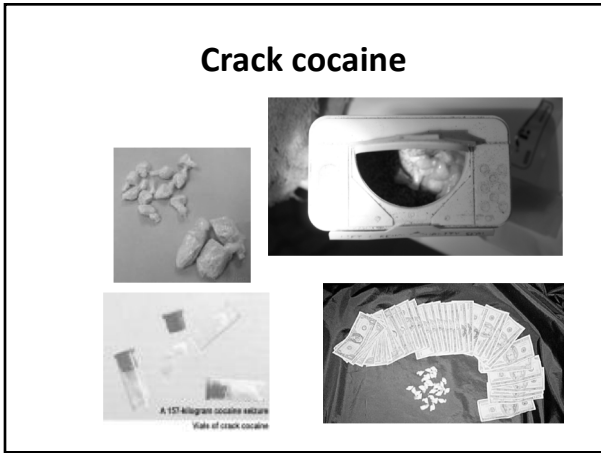
Meth Labs

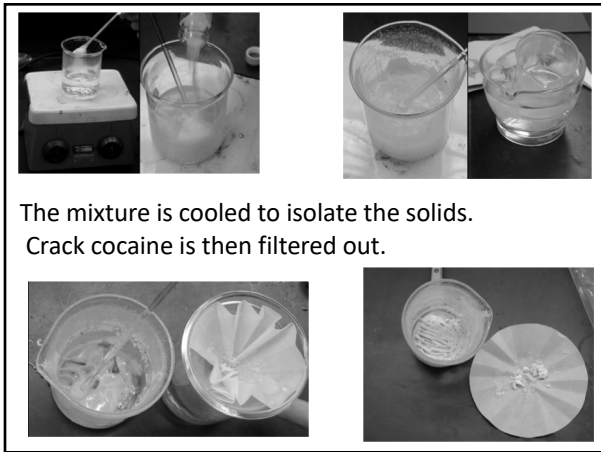


Labs have HUGE chemical hazards

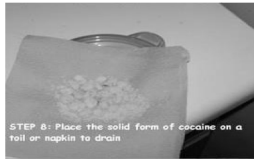
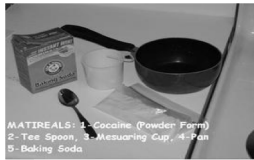








Quick Method



Inositol: nutritional supplement



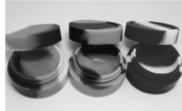
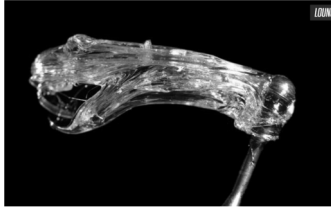
- Additive for cocaine, crack cocaine, and Heroin
- Frequently found on crack dealers and sellers
- Looks like cocaine: used as "cocaine prop" in movies

Synthetic Marijuana (Cannabinoids)

- Synthetic cannabinoids have tested at least five times more potent than the strongest naturally grown marijuana
- Some reports indicate that it may be up to 100 times more potent than marijuana.



BHO from Marijuana



Bath Salts



Prescription Drugs



Prescription Drugs

- Forged prescriptions, theft
- Legitimate prescription, drug diversion, doctor shopping
- Parents' medicine closets
- Often goes unnoticed
- More common drugs of abuse: Oxycontin, Ritalin, Valium, Klonopin, and Fentanyl

Khat (pronounced COT)



Drug Paraphernalia



? **?**

Questions
&
Answers

? **?**

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SHERIFF 

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