

Gas station pharmacology

Commonly Used Drugs in the Gray Zone of Legality and Safety

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I have no financial relationships with an ineligible company/ commercial interest. I will discuss community use of multiple off-label/unapproved products but will not endorse their use for treatment of any medical condition.



What is a "gas station drug"?

Legal ambiguity

Addictive potential

No FDA oversight

Common gas station drugs

Tianeptine
(Tiana, Zia, Za)

Kratom

Delta-8-THC, delta-10-THC

Nitrous oxide

Phenibut

Poppers

Cold/flu medicines

Sexual enhancers

Opioid-like



Kratom

- Mu-opioid partial agonist
- Use for self-withdrawal management



thang, kakuam, thom, ketum, biak

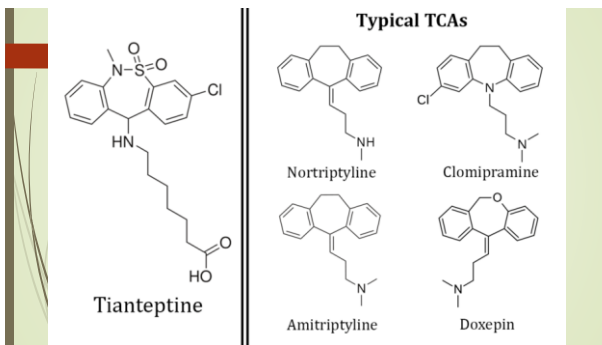


Trakulsrichai S, Sathirakul K, Auparakkittanon S, et al. Pharmacokinetics of mitragynine in man. Drug Des Devel Ther. 2015;9:2421-2429.

Tianeptine

- Structurally similar to tricyclics
- Mu-Opioid partial agonism
- Withdrawal syndrome



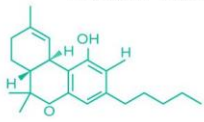


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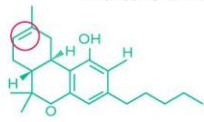
Cannabis-like

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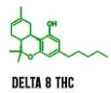
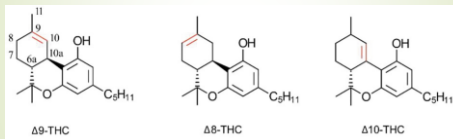
Delta 9 THC



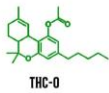
Delta 8 THC



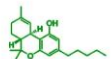
Delta-10-THC



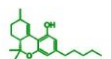
DELTA 8 THC



THC-O



DELTA 9 THC

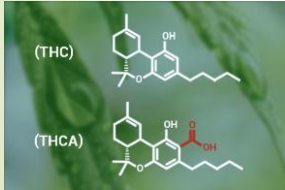


DELTA 10 THC

THC - O (-acetate)



Tetrahydrocannabinolic Acid (THCA)



HB445 – In effect January 1, 2026

- 3rd Party Testing
- Serving size restrictions
- Cannot sell beverages also containing alcohol or another intoxicating compound
- Packaging needs to be less appealing to children
- Prohibit selling to anyone under age 21
- Store needs a license to sell, and under 21 not allowed in store
- Bans online sales

Synthetic cannabinoids/Mojo



Common brands:
 Spice
 K2
 Scooby snax
 Ninja
 Yucatan
 many others

- PSYCHOTROPIC
- VAPING
- CHEMICAL VARIATION



Sedative/hypnotic-like

phenibut



- Gaba-B agonist and gabapentinoid
- "nootropic"



COMMON BRANDS:
SLEEP WALKER
RED DAWN
ANVIFEN
FENIBUT
NOOFEN
LIFTMODE

Kava

- From Piper methisticum shrub
- Potentiates gaba-a receptor



Amanita muscaria



■ AKA Fly agaric
and fly amanita



Alcohol



Stimulant-like

Synthetic cathinones (Bath salts)

- Khat plant
- Psychotogenic
- Excited delirium



Caffeine/energy drinks

- 85% of us population consumes daily
- Safe amount- up to 400mg
- Tolerance varies



Pseudoephedrine

- Stimulates alpha and beta adrenergic receptors





Ephedrine inhalers/tablets

Stimulates alpha and beta adrenergic receptors

Nicotine



PCP/ketamine-like

OTC cough

- Dextromethorphan (DXM)
- NMDA antagonist
- Street names: CCC, Dex, DXM, Poor Man's PCP, Robo, Rojo, Skittles, Triple C, Velvet





Nitrous oxide

LSD-like

Salvia Divinorum

Other

Sexual enhancement

- Royal Honey
- Rhino products

Diphenhydramine





Hydrocarbons "Chroming"


Amyl Nitrites "Poppers"





BUG SPRAY

Paper route, wasping, KD, Katie, zombie



Questions?
