

# 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.

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What is a "gas station drug"?

- Legal ambiguity
- Addictive potential
- No FDA oversight

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### Common gas station drugs

Tianeptine (Tianaa, Za Za)	Kratom	Delta-8- THC, delta- 10-THC	Nitrous oxide
Phenibut	Poppers	Cold/flu medicines	Sexual enhancers

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### Opioid-like

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### Kratom

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



thang, kakuam, thom, ketum, biak

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### Tianeptine

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




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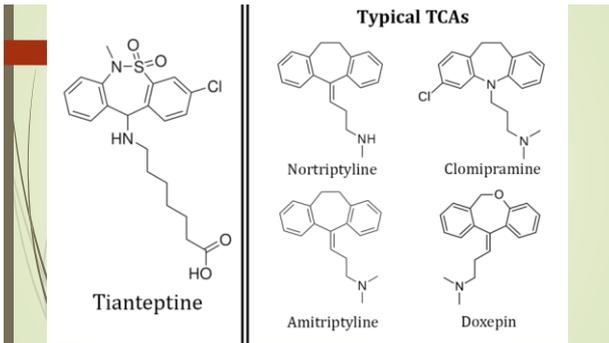
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### Loperamide

- Peripheral mu-opioid agonist
- Crosses blood brain barrier at high dose



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cannabis-like

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Delta-8-THC



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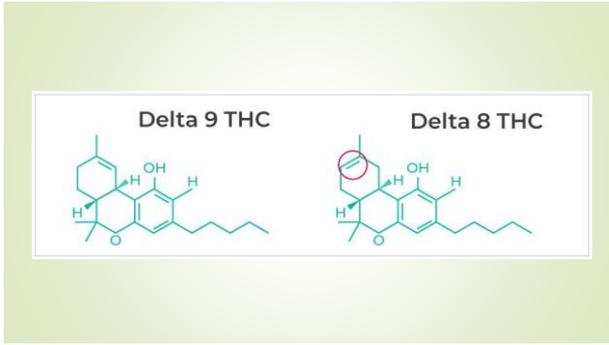
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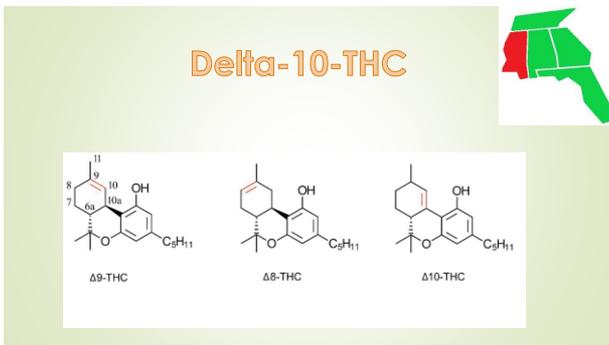
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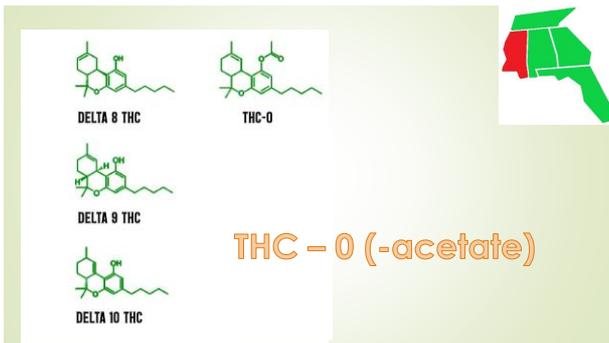
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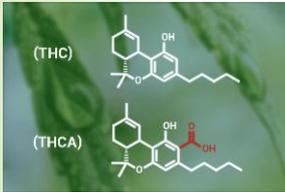
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# Tetrahydrocannabinolic Acid (THCA)



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## HB445 – In effect January 1, 2026

- 3<sup>rd</sup> 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

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## Synthetic cannabinoids/Mojo



Common brands:  
 Spice  
 K2  
 Scooby snack  
 Ninja  
 Yucatan  
 \*\*many others\*\*

- PSYCHOTOGENI  
C
- VAPING
- CHEMICAL  
VARIATION



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# Sedative/hypnotic-like

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## phenibut

- GABA-B agonist and gabapentinoid
- "nootropic"



**COMMON BRANDS:**  
SLEEP WALKER  
RED DAWN  
ANVIFEN  
FENIBUT  
NOOFEN  
LIFTMODE

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## Kava

- From Piper methisticum shrub
- Potentiate gaba-a receptor



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Amanita muscaria



AKA Fly agaric and fly amanita



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Alcohol



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stimulant-like

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### Synthetic cathinones (Bath salts)

- Khat plant
- Psychotogenic
- Excited delirium



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### Caffeine/energy drinks

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



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### Pseudoephedrine

- Stimulates alpha and beta adrenergic receptors



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**Ephedrine inhalers/tablets**  
Stimulates alpha and beta adrenergic receptors

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Nicotine




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PCP/ketamine-like

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### OTC cough

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



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### Nitrous oxide

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### LSD-like

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Salvia  
Divinorum



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other

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Sexual enhancement

- Royal Honey
- Rhino products



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Diphenhydramine



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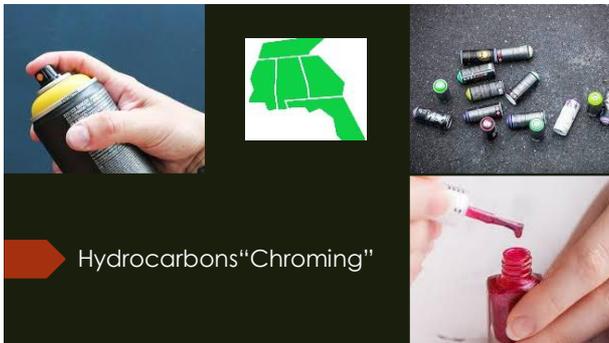
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Hydrocarbons "Chroming"

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Amyl Nitrites "Poppers"



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**BUG SPRAY**  
Paper route, wasping, KD, Katie, zombie

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Questions?

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