

Where We Began: values, public safety, health benefits

Initiative 502 to Legalize Adult-Use Cannabis Reflected:

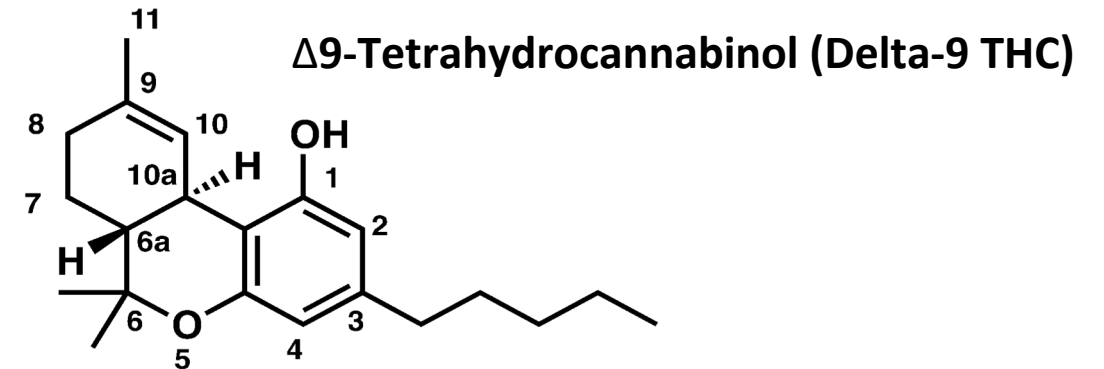
- *Disapproval* of cannabis criminalization and inequitable harm to our communities
- *Approval* for regulating cannabis to make it safer and to sanction for adult-use
- *Desire* to eliminate the dangers of underground manufacturing
- *Belief* that cannabis offered wellness/therapeutic benefits beyond a single active constituent (cf. dronabinol)
- *Support* for research into the benefits AND/OR hazards of cannabis
- *Understanding* that there is much more to learn about cannabis and the oversight necessary to help protect public health and safety

Where We Are Now: innovation & unregulated intoxicants

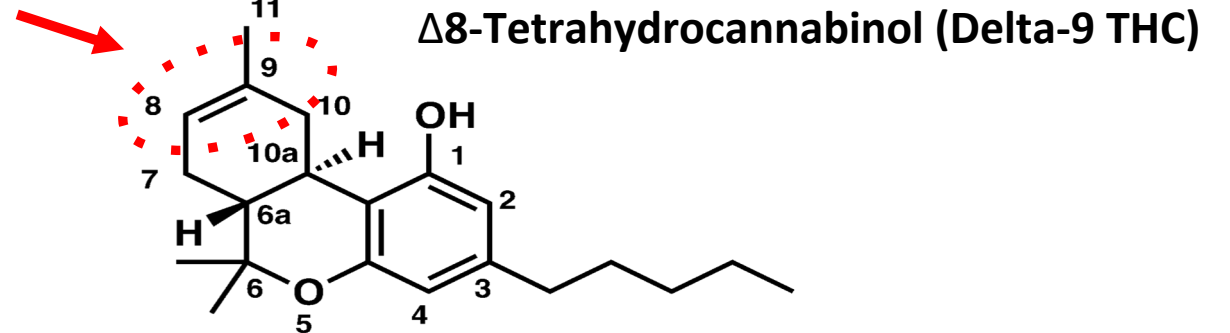
Not Regulated



Not Understood



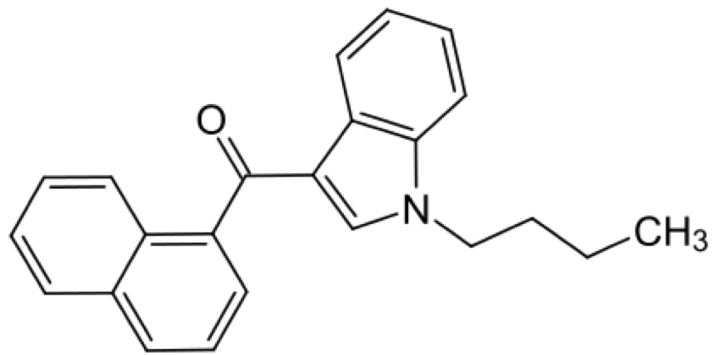
Only difference!



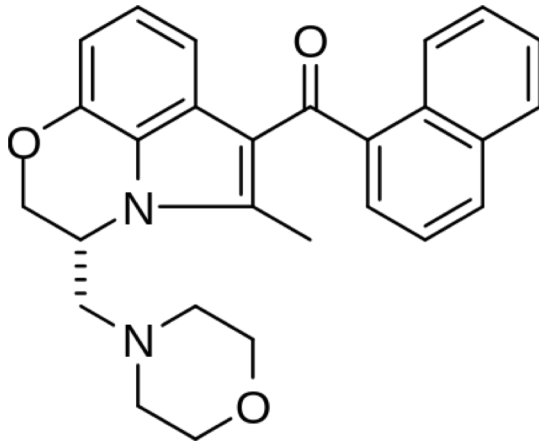
What We Must Learn: delta-8 THC is psychotropic and possesses medicinal properties

- Marketed as “THC Lite”
 - Roughly 40% of the potency of Delta-9 THC from user reports
 - Not a 1-to-1 replacement for Delta-9 THC
- Binds Cannabinoid Receptors *similar to but not the same as* Delta-9 THC
 - CB1 Receptor: Delta-9 has 4X Greater Affinity than **Delta-8** THC
 - CB2 Receptor: **Delta-8** has 4X Greater Affinity than Delta-9 THC
- Clinically-Studied For Reducing Nausea in Juvenile Cancer Patients
- Thermodynamically More Stable Than Delta-9 THC

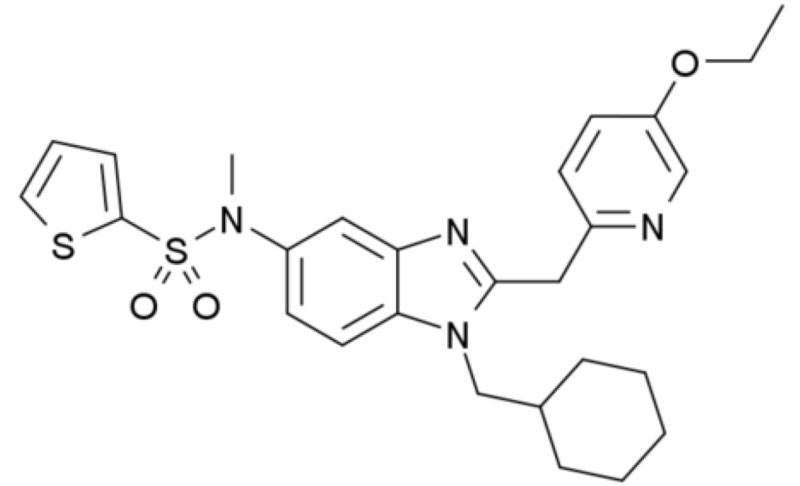
What We Must Learn: delta-8 THC is not artificial



JWH-073



WIN 55,212-2



AZ-11713908

These are examples of artificial, non-phytocannabinoids

NATURAL

Phytocannabinoids



(-)-*trans*- Δ^9 -Tetrahydrocannabinol (D9)
(-)-*trans*- Δ^8 -Tetrahydrocannabinol (D8)
Cannabigerol (CBG)
Cannabichromene (CBC)

Endocannabinoids

Anandamide (AEA)
2-arachidonoylglycerol (2-AG)

SYNTHETIC

Artificial Cannabinoids



(+)-*trans*- Δ^9 -Tetrahydrocannabinol (D9)
HU-210
WIN 48,098
CP-47,497
JWH-018
THC Acetates

Who Can Help: our elected leaders

We can learn from other regulated cannabis states:

- *Uphold* public safety and move beyond the failed prohibitionist approach
- *Assign* regulatory authority over all naturally-occurring and intoxicating cannabinoids so they can be tracked, tested and sold only to adults
- *Recognize* that cannabis is many compounds that have many properties
- *Unambiguously* define what a “psychotropic” cannabinoid is to avoid confusion and prioritize public health and safety