

★ NEW JERSEY NATIONAL GUARD ★

COUNTER ~~DRUG~~

— DRUG DEMAND REDUCTION OUTREACH —

7-OH Kratom



These products are often sold as pills, gummies, drink mixes, and candies in gas stations, smoke shops, and online.

What is 7-Hydroxymitragynine?

7-OH is a potent, concentrated opioid compound derived from the kratom plant, *Mitragyna speciosa*. While it occurs in very small amounts in natural kratom, modern products—often marketed as "enhanced kratom"—contain highly concentrated synthetic or semi-synthetic versions of 7-OH. This creates a powerful, addictive, and unregulated substance that is far more dangerous than traditional kratom.

When mixed in drinks, it produces potent opioid-like effects and can lead to severe side effects, overdose, and even death. The visual characteristics of the drink depend on the form of 7-OH used, but in all cases, the primary impact is on the body, not the appearance of the beverage.



SCAN FOR MORE INFO

- Some people use 7-OH as a self-medication for chronic pain, believing it to be a more natural alternative to prescription opioids.
- Others use it to manage the symptoms of opioid withdrawal and reduce cravings.
- Products are also marketed for mood elevation, relaxation, and increasing focus.

Effects and potency

- High potency: Studies indicate that 7-OH can be up to 13 times more potent than morphine by weight in its interaction with the brain's mu-opioid receptors.
- Opioid-like effects: By activating the same receptors as opioid drugs like heroin, 7-OH can produce pain relief, euphoria, and sedation.
- Increased risk: The high concentration and potency of 7-OH in synthetic products increase the risk of dependency, withdrawal, and overdose.
- Brain function: A 2025 study on rats found that low doses of 7-OH increase dopamine release, while high doses decrease it.