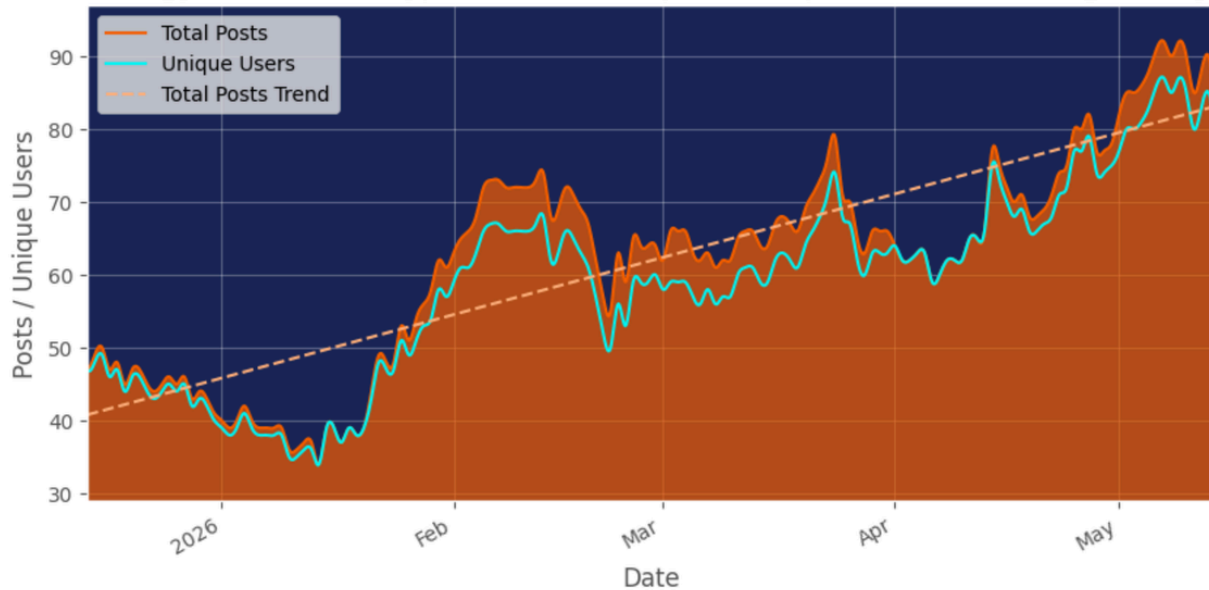


## Alert from the NDEWS Web Monitoring Team Reddit mentions of Mitragynine/Kratom Derivatives

Sum of Mitragynine/Kratom byproducts Reddit posts/unique users in a rolling 30-day window



**Why are we reporting on this?** Mitragynine derivatives and kratom-related compounds such as 7-hydroxymitragynine (7-OH), mitragynine pseudoindoxyl (MP), and semi-synthetic analogs like MGM-15 have become increasingly discussed in online forums and policy conversations due to their potency and evolving legal status. As of August 2025, legislative efforts in many states have proposed regulations or restrictions targeting specific kratom-derived compounds beyond mitragynine itself. At the same time, research institutions including Johns Hopkins University have initiated studies examining the effects, usage patterns, and pharmacology of these substances, reflecting growing scientific and regulatory interest in their emergence within the broader kratom market.

**What are Mitragynine derivatives & kratom byproducts?** Mitragynine derivatives and kratom byproducts are chemical compounds either naturally present in the *Mitragyna speciosa* (kratom) plant in trace amounts or synthesized from its primary alkaloids. This category includes 7-hydroxymitragynine, a potent mu-opioid receptor agonist, as well as more complex analogs like mitragynine pseudoindoxyl and MGM-15, which are often produced through chemical modification to enhance their pharmacological activity.

**Public Health Impacts:** Reddit discussants report significant concerns regarding the addictive potential and withdrawal profiles of high-potency kratom derivatives. Multiple commenters describe physical symptoms such as violent muscle spasms, excessive sweating, and "blackout" experiences following the ingestion of concentrated analogs. There are frequent reports of individuals experiencing difficulty managing transitions between these substances and other research chemicals, with some mentioning the risk of precipitated withdrawal. Discussants also describe somatic discomfort including sore throats and respiratory issues, alongside concerns that these substances may be more reinforcing and harder to cease than traditional kratom leaf.

### **Previous Web Monitoring Reports on Kratom + Derivatives:**

- [May 30, 2025](#)

### **Previous NDEWS reports on Kratom + Derivatives:**

- [November 15, 2024](#)
- [August 16, 2024](#)
- [June 21, 2024](#)

**How is it Being Discussed?** Reddit commenters frequently debate the pharmacological mechanisms of these compounds, specifically whether analogs like MGM-15 act as partial or full agonists at the mu-opioid and delta-opioid receptors. There is significant discussion regarding the potency of these byproducts compared to other research chemicals like ODSMT, with many seeking advice on how to transition between substances without losing efficacy or experiencing severe withdrawal. Discussants share experiences involving the combination of 7-OH or MGM-15 with other substances, including benzodiazepines, stimulants, and psychedelics, often noting that certain medications like alprazolam may blunt the desired effects. Online communities also provide a space for technical dialogue regarding the synthesis and stabilization of these alkaloids, including methods for creating specific salts and protecting indole rings during chemical reactions. Additionally, much of the discourse focuses on "Matthew Davenport's Law" and other regulatory actions that could criminalize these compounds, leading to a sense of urgency to obtain or increase personal supply among those who use these products for maintenance or recreational purposes.