

Crime Prevention Flyer

MDMB-4en-PINACA: Emerging Synthetic Threat

MDMB-4en-PINACA is a synthetic cannabinoid first identified in Europe in 2017, structurally similar to the popular synthetic cannabinoid 5F-ADB (5F-MDMB-PINACA) and was recently added to the Federal Registry as a Schedule I Controlled Substance. It is primarily inhaled via smoking the chemical after it has been mixed with plant material or by vaping it after formulation in liquid. It is being sold and marketed under a variety of different brands without advertising its key ingredient, **MDMB-4en-PINACA**. Results from toxicology testing along with case history reveal the potential for **MDMB-4en-PINACA** to cause or contribute to impairment or death. Autopsy findings have included brain edema, internal congestion, petechial bleeding, pleural ecchymoses, and blood fluidity.



WHAT ARE YOU INGESTING? CHECK YOUR VAPE!!!!



Liquid "Vape Juice"



In the United States, **MDMB-4en-PINACA** has been identified in at least 325 toxicology specimens associated with postmortem death investigations, driving under the influence of drugs investigations, and clinical investigations from 2020-present.



Powder Form

Synthetic cannabinoids are chemically manufactured drugs, often associated with unknown biological effects and health risks. Synthetic cannabinoids can be prepared (e.g. plant material, powder, oil) and packaged in a variety of forms. Adverse effects reported in association with synthetic cannabinoid use include neurological abnormalities (e.g., psychosis, agitation, irritability, paranoia, confusion, anxiety, etc.), psychiatric episodes (e.g., hallucinations, delusions, self-harm, etc.), other physical ailments (e.g., tachycardia, hypertension, arrhythmia, chest pain, tachypnea, gastrointestinal distress, acute kidney injury, nausea, vomiting, fever, hyperglycemia, hypokalemia, sedation, etc.), and death.

USEFUL RESOURCES

- Krotulski, AJ; Cannaert, A; Stove, C; Logan, BK. (2020) The next generation of synthetic cannabinoids: Detection, activity, and potential toxicity of pent-4en and but-3en analogues including **MDMB-4en-PINACA**. <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/10.1002/dta.2935>
- WHO: https://www.who.int/docs/default-source/controlled-substances/43rd-ecdd/mdmb-4en-pinaca-review-2020.pdf?sfvrsn=5cd6e97e_4
- **MDMB-4en-PINACA** <https://www.cfsre.org/nps-discovery/public-alerts/prevalence-of-synthetic-cannabinoid-mdmb-4en-pinaca-continues-to-increase-in-the-united-states-and-internationally>



IN CASE OF EMERGENCY, CONTACT YOUR LOCAL **MILITARY POLICE** OR CALL **911**

Report drug crimes to your nearest CID Office at <https://www.cid.army.mil/The-Agency/CID-Locations> or **ANONYMOUSLY** at: <https://www.cid.army.mil/Submit-a-Tip>

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