



# **Tribal Cannabis Bulletin #1**

*Public Education, Blog, and News by the EBCI Cannabis Control Board*  
<https://www.ebci-ccb.org>

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## **Synthetic Cannabinoids, Their Impact, and Things You Should Know.**

**Synthetic cannabinoids** are a class of **laboratory-made chemicals** that mimic the effects of **tetrahydrocannabinol (THC)**, the active compound in marijuana, but often with far more potent and dangerous effects. These compounds are frequently marketed as legal alternatives to cannabis but pose significant health risks. Synthetic cannabinoids are typically sold as **sprays on plant material**, which can be smoked or vaporized, or as **liquids for e-cigarettes**.

While they may interact with the **same receptors in the brain** as THC, synthetic cannabinoids can cause severe, unpredictable side effects, such as **impaired cognition, increased heart rate, severe anxiety, hallucinations**, and in some cases, **psychosis or seizures**. These effects can make synthetic cannabinoids not only impairing but also intoxicating, potentially leading to addiction, overdose, and other serious health consequences.

Synthetic cannabinoids can sometimes be **chemically altered** or created in novel forms to bypass regulation, which makes it essential that cannabis regulations be **broad and forward-thinking**.

Here are some specific synthetic cannabinoids that are important to mention in the context of hemp regulations, as these are commonly found in products that are often marketed as "legal highs" or alternatives to cannabis:

Specific Synthetic Cannabinoids to Mention:

### **JWH-018:**

- One of the most common synthetic cannabinoids, it is often sprayed onto plant material and sold as synthetic marijuana. It has been associated with severe side effects like hallucinations, anxiety, and heart problems.

### **HU-210:**

- A potent synthetic cannabinoid that can be much stronger than THC. It is often found in illicit products and can cause extreme psychosis and severe cognitive impairment.

### **CP 47,497:**

- Another synthetic cannabinoid that has been widely sold in illegal products. It mimics THC but can cause unpredictable reactions, including violence or paranoia in users.

**AM-2201:**

- A synthetic cannabinoid similar to JWH-018 but more potent. It has been used in the manufacture of illegal drugs that mimic the effects of cannabis and can lead to extreme anxiety and heart issues.

**XLR-11:**

- This compound has been linked to numerous health crises and is often found in synthetic marijuana products. Users of XLR-11 have reported severe intoxication and dangerous health effects.

**AKB-48:**

- A synthetic cannabinoid similar to the above-mentioned compounds, often found in “spice” or synthetic marijuana products. It can cause extreme agitation, psychosis, and seizures.

**5F-ADB:**

- A fluorinated synthetic cannabinoid that has been widely associated with incidents of death and severe toxicity. It is part of a newer generation of synthetic cannabinoids that often evade regulation.

**FUB-AMB:**

- A potent synthetic cannabinoid, it has been found in illicit drugs that mimic marijuana. It is known for causing severe cognitive dysfunction and respiratory distress in users.

**SDB-006:**

- Another synthetic cannabinoid found in illegal substances, often marketed as “synthetic marijuana.” It is a potent compound with unpredictable effects on the human brain.

The EBCI Cannabis Control Board continues to do everything it can to monitor and determine new and novel synthetic cannabinoids and their impacts on consumers. More rigorous scientific research is needed in this area, which means additional caution should be taken until more is known about the effect of these compounds, both short and long term.

Remember to consult with your physician before engaging in cannabis use or if you have any questions about the effect of cannabis on your health. Never drive, operate machinery, or do anything that could endanger your life or the lives of others while under the influence of cannabis.