

Product Data Sheet

Product Name: UR-144 Degradant

Cat. No.: GC40652

Chemical Properties

Cas. No. 1609273-88-2

SMILES O=C(CC(C)(C)C(C)=C)C1=CN(CCCCC)C2=C1C=CC=C2

Formula C₂₁H₂₉NO

M.Wt 311.5

Solubility DMF: 5 mg/ml, DMSO: 5

Storage Store at -20°C

mg/ml, Ethanol: 12.5

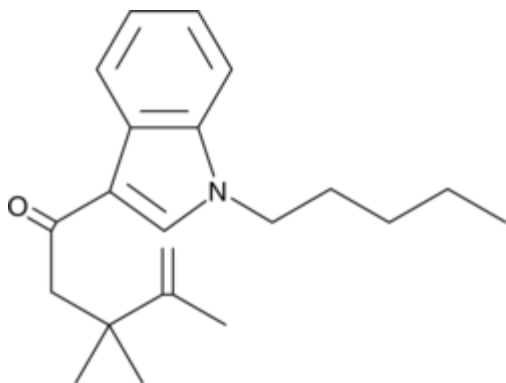
mg/ml, Ethanol: PBS (pH 7.2)(1:2): 0.3

mg/ml

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

UR-144 is a synthetic cannabinoid (CB) analog of JWH 018 in which the naphthalene ring is substituted with a tetramethylcyclopropyl group. This substitution results in a compound which is a potent agonist for the peripheral CB₂ receptor. UR-144 Degradant is a common impurity observed during GC-MS analysis of samples containing UR-144. The opened ring of the degradant is presumed to be produced during heating of UR-144. This structure gives rise to a prominent fragment ion that is 15 amu greater than the base peak of UR-144. This pattern is consistent with McLafferty

Caution: Product has not been fully validated for medical applications. For research use only.

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rearrangement of the degradant which does not occur with the parent compound.

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