

Product Data Sheet

Product Name: Azidoindolene 1

Cat. No.: GC42892

Chemical Properties

Cas. No. 1364933-69-6

Chemical Name 2,2,3,3-tetramethyl-cyclopropanecarboxylic acid (2Z)-2-[1-(5-fluoropentyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene]hydrazide

SMILES O=C1/C(C2=CC=CC=C2N1CCCCCF)=N\NC(C3C(C)(C)C3(C)C)=O

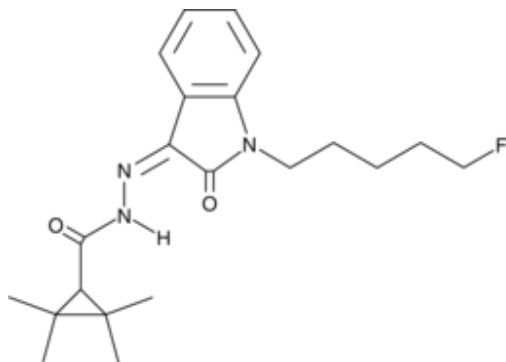
Formula $C_{21}H_{28}FN_3O_2$ M.Wt 373.5

Solubility 30mg/mL in ethanol or DMSO or DMF Storage Store at -20°C

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 and XLR11 are potent synthetic cannabinoids (CBs) that have been identified as adulterants of herbal products.[1],[2] Azidoindolene 1 is structurally similar to UR-144, XLR11, and a number of additional synthetic CBs with a hydrazide linking the tetramethylcyclopropyl group to the aminoalkylindole group. The physiological and toxicological properties of this compound are not known. Typically, a tetramethylcyclopropyl group confers selectivity for the peripheral CB2 receptor, and the addition of substituents at the N1-amine of the aminoalkylindole group is necessary for high

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

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affinity at either CB1 or CB2.[3] This product is intended for forensic and research applications.

Reference:

- [1]. Uchiyama, N., Kawamura, M., Kikura-Hanajiri, R., et al. URB-754: A new class of designer drug and 12 synthetic cannabinoids detected in illegal products. *Forensic Science International* 227(1-3), 21-32 (2013).
- [2]. Uchiyama, N., Matsuda, S., Kawamura, M., et al. Two new-type cannabimimetic quinolinyl carboxylates, QUPIC and QUCHIC, two new cannabimimetic carboxamide derivatives, ADB-FUBINACA and ADBICA, and five synthetic cannabinoids detected with a thiophene derivative α -PVT and an opioid receptor agonist AH-7921 identified in illegal products. *Forensic Toxicol.* 31(2), 223-240 (2013).
- [3]. Frost, J.M., Dart, M.J., Tietje, K.R., et al. Indol-3-ylcycloalkyl ketones: Effects of N1 substituted indole side chain variations on CB2 cannabinoid receptor activity. *J. Med. Chem.* 53(1), 295-315 (2010).

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