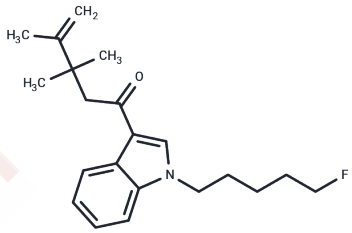
Data Sheet (Cat.No.T84464)

TargetMol

XLR11 Degradant

Chemical Properties



CAS No. : 1616469-09-0

Formula: C21H28FNO

Molecular Weight: 329.459

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	XLR11, a synthetic cannabinoid (CB) featuring a tetramethylcyclopropyl group, exhibits enhanced affinity for the CB2 receptor, common among synthetic CBs for its receptor affinity. XLR11 degradant, a frequent impurity identified in GC-MS analysis of XLR11-containing samples, originates from the thermal decomposition of XLR11, leading to an opened ring structure. This change results in a distinct fragment ion in mass spectrometry, being 15 amu heavier than XLR11's base peak. Such a signature is indicative of a McLafferty rearrangement in the degradant, a reaction not observed in the parent compound.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0353 mL	15.1763 mL	30.3527 mL
5 mM	0.6071 mL	3.0353 mL	6.0705 mL
10 mM	0.3035 mL	1.5176 mL	3.0353 mL
50 mM	0.0607 mL	0.3035 mL	0.6071 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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