

MK-3168 (12C)

## Chemical Properties

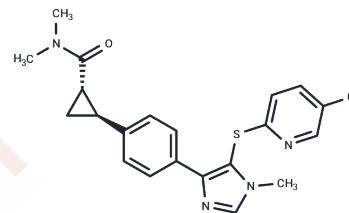
CAS No. : 1242441-26-4

Formula: C<sub>21</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>5</sub>

Molecular Weight: 412.94

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	MK-3168 (12C) functions as a FAAH inhibitor, exhibiting IC <sub>50</sub> values of 1.0 nM, 5.5 nM, and 1.7 nM for human, rhesus, and rat respectively. It demonstrates effective brain uptake and FAAH-specific signaling. Additionally, 11 C MK-3168 is applicable as a FAAH PET tracer.
Targets(IC <sub>50</sub> )	FAAH

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4217 mL	12.1083 mL	24.2166 mL
5 mM	0.4843 mL	2.4217 mL	4.8433 mL
10 mM	0.2422 mL	1.2108 mL	2.4217 mL
50 mM	0.0484 mL	0.2422 mL	0.4843 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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