

FCOB02

Chemical Properties

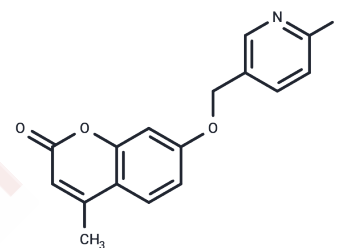
CAS No. : 3064236-41-2

Formula: C₁₆H₁₂FNO₃

Molecular Weight: 285.27

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 | FCOB02 is a monoamine oxidase B (MAO-B) ligand. It can be labeled as [18F]FCOB02, serving as a 4-methylcoumarin-like targeting probe. [18F]FCOB02 demonstrates high affinity for MAO-B, with an IC ₅₀ of 10.68 nM. It is utilized for specific imaging and quantitative analysis of MAO-B in vivo. |
| Targets(IC ₅₀) | Monoamine Oxidase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.5055 mL | 17.5273 mL | 35.0545 mL |
| 5 mM | 0.7011 mL | 3.5055 mL | 7.0109 mL |
| 10 mM | 0.3505 mL | 1.7527 mL | 3.5055 mL |
| 50 mM | 0.0701 mL | 0.3505 mL | 0.7011 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

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