

MAGL-IN-22

Chemical Properties

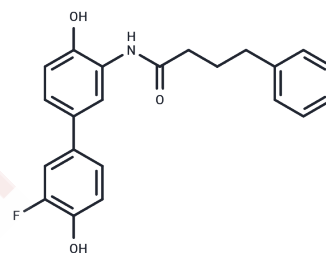
CAS No. : 2720674-71-3

Formula: C₂₂H₂₀FNO₃

Molecular Weight: 365.40

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	MAGL-IN-22 (Compound 40) is a reversible, competitive, and selective inhibitor of MAGL that is capable of crossing the blood-brain barrier, with an IC ₅₀ of 0.34 μM for hMAGL. It exhibits significant antioxidant and anti-inflammatory properties, activating the Nrf2 pathway and markedly suppressing NFκB-mediated inflammation, without inducing cytotoxic effects. MAGL-IN-22 is applicable in research on neurodegenerative diseases, chronic pain, and cancer.
Targets(IC ₅₀)	NF-κB, MAGL, Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7367 mL	13.6836 mL	27.3673 mL
5 mM	0.5473 mL	2.7367 mL	5.4735 mL
10 mM	0.2737 mL	1.3684 mL	2.7367 mL
50 mM	0.0547 mL	0.2737 mL	0.5473 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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