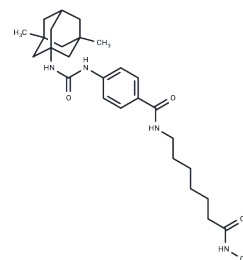


sEH/HDAC6-IN-1

Chemical Properties

CAS No. : 2847838-67-7
 Formula: C₂₇H₄₀N₄O₄
 Molecular Weight: 484.63
 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	sEH/HDAC6-IN-1 (compound M9) serves as a selective, orally active dual inhibitor targeting both sEH and HDAC6. It demonstrates IC ₅₀ values of 2 nM for human sEH, 0.72 nM for murine sEH, and 5 nM for HDAC6. Notably, sEH/HDAC6-IN-1 exhibits analgesic and anti-inflammatory effects [1].
Targets(IC ₅₀)	HDAC, Epoxide Hydrolase
In vitro	sEH/HDAC6-IN-1 inhibits the growth of THP-1 cells with an IC ₅₀ value of 3.2 μM at a concentration of 1-2 μM over 24 hours [1]. At 100 μM, it exhibits stability in human, rat, and mouse liver microsomes, with half-lives of 4.07, 1.76, and 1.39 hours, respectively [1]. In a cell viability assay, this compound increased the levels of acetylated α-tubulin [1]. Cell Line: THP-1.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0634 mL	10.3171 mL	20.6343 mL
5 mM	0.4127 mL	2.0634 mL	4.1269 mL
10 mM	0.2063 mL	1.0317 mL	2.0634 mL
50 mM	0.0413 mL	0.2063 mL	0.4127 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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