

XM462

Chemical Properties

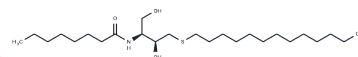
CAS No. : 1045857-53-1

Formula: C₂₅H₅₁NO₃S

Molecular Weight: 445.74

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	XM462 is a dihydroceramide desaturase inhibitor that exhibits mixed-type inhibition ($K_i = 2 \mu\text{M}$) in vitro. It demonstrates dihydroceramide desaturase inhibition in both in vitro and cultured cells, with IC ₅₀ values of 8.2 μM and 0.78 μM , respectively. XM462 is applicable for tumor research [1] [2].
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2435 mL	11.2173 mL	22.4346 mL
5 mM	0.4487 mL	2.2435 mL	4.4869 mL
10 mM	0.2243 mL	1.1217 mL	2.2435 mL
50 mM	0.0449 mL	0.2243 mL	0.4487 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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