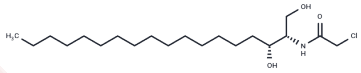
Data Sheet (Cat.No.T83653)

TargetMol

SACLAC

Chemical Properties



CAS No. : 2248703-42-4

Formula: C20H40ClNO3

Molecular Weight: 377.99

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	SACLAC is a cysteine asparaginase activation inhibitor with antitumor activity that decreases AML cell viability, inhibits AML cell proliferation, increases AML cell death, and induces apoptosis of AML cells, and is used in the study of acute myeloid leukemia and cancer.
Targets(IC50)	Apoptosis,Bcl-2 Family,Caspase,LPL Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6456 mL	13.2279 mL	26.4557 mL
5 mM	0.5291 mL	2.6456 mL	5.2911 mL
10 mM	0.2646 mL	1.3228 mL	2.6456 mL
50 mM	0.0529 mL	0.2646 mL	0.5291 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.

Reference

Pearson JM,et al. Ceramide Analogue SACLAC Modulates Sphingolipid Levels and MCL-1 Splicing to Induce Apoptosis in Acute Myeloid Leukemia. Mol Cancer Res. 2020 Mar;18(3):352-363.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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