

DL-threo-PPMP

Chemical Properties

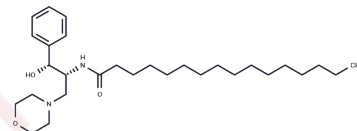
CAS No. : 149022-18-4

Formula: C₂₉H₅₀N₂O₃

Molecular Weight: 474.72

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

DL-threo-PPMP is an inhibitor of sphingosine synthetase (sphingosine synthetase) in *Plasmodium falciparum*. It inhibits the enzymes activity by binding to it, mimicking the substrate of sphingosine. This inhibition results in a rapid decline in the activity of sensitive sphingosine synthetase, selectively disrupting the interconnected tubular network in the cytoplasm of the host cell at the TVM. This action also blocks the proliferation of the *Plasmodium falciparum*. DL-threo-PPMP is valuable in studies of *Plasmodium falciparum* biology and the development of new anti-malarial strategies.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1065 mL	10.5325 mL	21.065 mL
5 mM	0.4213 mL	2.1065 mL	4.213 mL
10 mM	0.2107 mL	1.0533 mL	2.1065 mL
50 mM	0.0421 mL	0.2107 mL	0.4213 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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