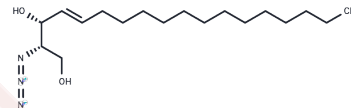


Azido-erythro-sphingosine

Chemical Properties

CAS No. :	103348-49-8
Formula:	C ₁₈ H ₃₅ N ₃ O ₂
Molecular Weight:	325.489
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	Azido-erythro-sphingosine serves as an intermediate for synthesizing lipid molecules with two hydroxyl groups and a terminal azide group. The azide group (N ₃) can react with alkynes, BCN, and DBCO through click chemistry. Hydroxyl groups may be further derivatized or replaced by other reactive functional groups. Azido-erythro-sphingosine is a derivative of sphingosine, a selective inhibitor of protein kinase C activity and phorbol dibutyrate binding in vitro in human platelets.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0723 mL	15.3615 mL	30.7229 mL
5 mM	0.6145 mL	3.0723 mL	6.1446 mL
10 mM	0.3072 mL	1.5361 mL	3.0723 mL
50 mM	0.0614 mL	0.3072 mL	0.6145 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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