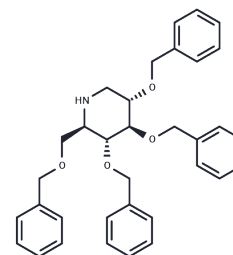


Deoxynojirimycin Tetrabenzyl Ether

Chemical Properties

CAS No. :	69567-11-9
Formula:	C ₃₄ H ₃₇ N ₁ O ₄
Molecular Weight:	523.673
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	Deoxynojirimycin (dNM) tetrabenzyl ether is an intermediate for the synthesis of glucosylceramide synthase inhibitors such as 1-dNM, a glucose analog that potently inhibits α -glucosidase I and II.
Targets(IC50)	Others,Cholinesterase (ChE)

Solubility Information

Solubility	DMF: 15 mg/mL (28.64 mM),Sonication is recommended. DMSO: 20 mg/mL (38.19 mM),Sonication is recommended. DMSO:PBS(pH7.2) 1:1: 0.5 mg/mL (0.95 mM),Sonication is recommended. Ethanol: 0.25 mg/mL (0.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9096 mL	9.548 mL	19.096 mL
5 mM	0.3819 mL	1.9096 mL	3.8192 mL
10 mM	0.191 mL	0.9548 mL	1.9096 mL
50 mM	0.0382 mL	0.191 mL	0.3819 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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