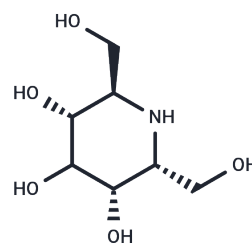


Homonojirimycin

Chemical Properties

CAS No. :	119557-99-2
Formula:	C ₇ H ₁₅ N ₁ O ₅
Molecular Weight:	193.2
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	Homonojirimycin is an alpha-glucosidase inhibitor.
Targets(IC50)	Others, Glucosidase, glycosidase

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.176 mL	25.8799 mL	51.7598 mL
5 mM	1.0352 mL	5.176 mL	10.352 mL
10 mM	0.5176 mL	2.588 mL	5.176 mL
50 mM	0.1035 mL	0.5176 mL	1.0352 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

Zhang G, Zhang B, Zhang X, Bing F. Homonojirimycin, an alkaloid from dayflower inhibits the growth of influenza A virus in vitro. *Acta Virol.* 2013;57(1):85-6. PubMed PMID: 23530829.

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Glawar AF, Jenkinson SF, Newberry SJ, Thompson AL, Nakagawa S, Yoshihara A, Akimitsu K, Izumori K, Butters TD, Kato A, Fleet GW. An approach to 8 stereoisomers of homonojirimycin from (D)-glucose via kinetic & thermodynamic azido- γ -lactones. *Org Biomol Chem.* 2013 Sep 25;11(40):6886-99. doi: 10.1039/c3ob41334a. PubMed PMID: 23963282.

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