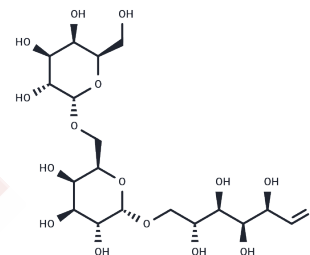


Manninotriose

Chemical Properties

CAS No. :	13382-86-0
Formula:	C ₁₈ H ₃₂ O ₁₆
Molecular Weight:	504.44
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Manninotriose is the main carbohydrate of Ono sesame (Lamium. Lamiaceae), participates in RFO metabolism and may play an important role.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 45 mg/mL (89.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.96 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9824 mL	9.912 mL	19.824 mL
5 mM	0.3965 mL	1.9824 mL	3.9648 mL
10 mM	0.1982 mL	0.9912 mL	1.9824 mL
50 mM	0.0396 mL	0.1982 mL	0.3965 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

dos Santos R, et al. Manninotriose is a major carbohydrate in red deadnettle (*Lamium purpureum*, Lamiaceae). *Ann Bot.* 2013 Mar;111(3):385-93.

Hsiao YL, et al. Treatment of acute lymphoblastic leukemia from traditional chinese medicine. *Evid Based Complement Alternat Med.* 2014;22014:6201064.

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