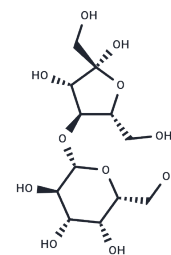


Lactulose

Chemical Properties

CAS No. :	4618-18-2
Formula:	C ₁₂ H ₂₂ O ₁₁
Molecular Weight:	342.3
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lactulose (Lactulosum) , a synthetic disaccharide , is used in the treatment of constipation and hepatic encephalopathy.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 65 mg/mL (189.89 mM),Sonication is recommended. H2O: 62 mg/mL (181.13 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	2.9214 mL	14.6071 mL	29.2141 mL
5 mM	0.5843 mL	2.9214 mL	5.8428 mL
10 mM	0.2921 mL	1.4607 mL	2.9214 mL
50 mM	0.0584 mL	0.2921 mL	0.5843 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.

Reference

Algieri F, et al. J Agric Food Chem. 2014 May 14; 62(19):4285-97.

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