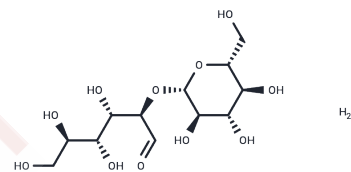


Sophorose monohydrate

Chemical Properties

CAS No. :	140686-17-5
Formula:	C ₁₂ H ₂₄ O ₁₂
Molecular Weight:	360.31
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Sophorose (2-O-beta-D-Glucopyranosyl-D-glucopyranose) monohydrate is a disaccharide component of microbial glycolipids, known for its hydrophobic nature, making sophorolipids effective as biosurfactants. Additionally, sophorolipids exhibit antimicrobial, antifungal, spermicidal, antiviral, and anticancer properties. In studies involving <i>Trichoderma reesei</i> fermentation, sophorose monohydrate has been identified as a potent inducer of cellulase gene expression.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7754 mL	13.8769 mL	27.7539 mL
5 mM	0.5551 mL	2.7754 mL	5.5508 mL
10 mM	0.2775 mL	1.3877 mL	2.7754 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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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