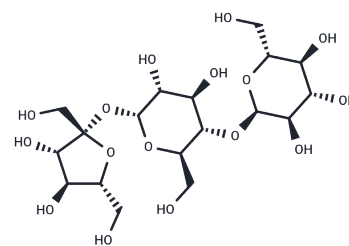


Erlose

Chemical Properties

CAS No. :	13101-54-7
Formula:	C ₁₈ H ₃₂ O ₁₆
Molecular Weight:	504.44
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Erlose, a trisaccharide present in soybean aphid honeydew and composed of sucrose, acts as a sweetener substitute to inhibit dental caries formation by oral microorganisms, primarily <i>Streptococcus mutans</i> . Erlose can serve as a reference compound in high-performance liquid chromatography (HPLC) methods employed for the analysis of sugar content in various food samples.
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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.

Reference

Wyckhuys KA, Strange-George JE, Kulhanek CA, Wäckers FL, Heimpel GE. Sugar feeding by the aphid parasitoid *Binodoxys communis*: how does honeydew compare with other sugar sources. *J Insect Physiol.* 2008;54(2):481-

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