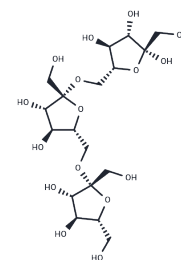


Levan from Erwinia herbicola

Chemical Properties

CAS No. :	9013-95-0
Formula:	C ₁₈ H ₃₂ O ₁₆
Molecular Weight:	504.44
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	Levan from Erwinia herbicola serves as a substrate for the activity assay of levanase.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10.00 mg/mL (19.82 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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

Gamal AA, et al. Optimization strategy of Bacillus subtilis MT453867 levansucrase and evaluation of levan role in pancreatic cancer treatment. Int J Biol Macromol. 2021 Jul 1;182:1590-1601.

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