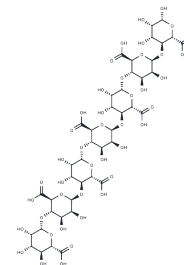


D-Heptamannuronic acid

Chemical Properties

CAS No. :	862694-97-1
Formula:	C42H58O43
Molecular Weight:	1250.883
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	D-Heptamannuronic acid, an alginate oligomer derived from marine brown algae and select Gram-negative bacteria, serves as a valuable research tool in the study of pain and vascular dementia [4].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7994 mL	3.9972 mL	7.9944 mL
5 mM	0.1599 mL	0.7994 mL	1.5989 mL
10 mM	0.0799 mL	0.3997 mL	0.7994 mL
50 mM	0.016 mL	0.0799 mL	0.1599 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

- Heyraud A, et, al. HPLC analysis of saturated or unsaturated oligoguluronates and oligomannuronates. Application to the determination of the action pattern of *Halictis tuberculata* alginate lyase. *Carbohydr Res.* 1996 Sep 23; 291:115-26.
- Iwamoto M, et, al. Structure-activity relationship of alginate oligosaccharides in the induction of cytokine production from RAW264.7 cells. *FEBS Lett.* 2005 Aug 15; 579(20): 4423-9.
- Geng M, et, al. Application of sodium alginate oligose and derivative to treatment of pain. CN106344595A.
- Geng M, et, al. Application of sodium alginate oligose and derivative to treatment of vascular dementia. CN106344593A.

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