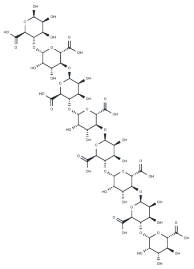
Data Sheet (Cat.No.T40967)

TargetMol

D-Octamannuronic acid

Chemical Properties



CAS No. : 862694-98-2

Formula: C48H66O49

Molecular Weight: 1427.007

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-Octamannuronic acid, an alginate oligomer, is derived from marine brown algae and a restricted group of Gram-negative bacteria. It is utilized in research focused on the study of pain and vascular dementia [4].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7008 mL	3.5038 mL	7.0077 mL
5 mM	0.1402 mL	0.7008 mL	1.4015 mL
10 mM	0.0701 mL	0.3504 mL	0.7008 mL
50 mM	0.014 mL	0.0701 mL	0.1402 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 Haliotis 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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