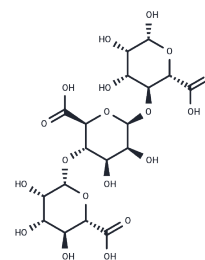


D-Trimannuronic acid

Chemical Properties

CAS No. :	66754-13-0
Formula:	C18H26O19
Molecular Weight:	546.387
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-Trimannuronic acid is an alginate oligomer that originates from seaweed. It can induce TNF- α secretion by mouse macrophage cell lines, making it valuable in pain and vascular dementia research [1][2][3].
Targets(IC50)	Others,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8302 mL	9.151 mL	18.3019 mL
5 mM	0.366 mL	1.8302 mL	3.6604 mL
10 mM	0.183 mL	0.9151 mL	1.8302 mL
50 mM	0.0366 mL	0.183 mL	0.366 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

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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