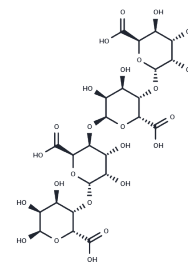


L-Tetraguluronic acid

Chemical Properties

CAS No. :	149511-37-5
Formula:	C ₂₄ H ₃₄ O ₂₅
Molecular Weight:	722.51
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	L-Tetraguluronic acid is a straight-chain polysaccharide copolymer consisting of four repeating units involved in the formation of the alginate. L-Tetraguluronic acid interacts with Glu543 in the non-catalytic domain and can help AlyRm1 to bind the substrate more efficiently and to improve the catalytic efficiency.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 200 mg/mL (276.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3841 mL	6.9203 mL	13.8406 mL
5 mM	0.2768 mL	1.3841 mL	2.7681 mL
10 mM	0.1384 mL	0.692 mL	1.3841 mL
50 mM	0.0277 mL	0.1384 mL	0.2768 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

R.A. Shirwaiker, et al. L-Guluronic Acid

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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