# Data Sheet (Cat.No.T39277)



## D-Hexamannuronic acid

#### **Chemical Properties**

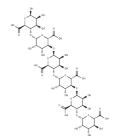
CAS No.: 183668-52-2

Formula: C36H50O37

Molecular Weight: 1074.759

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## **Biological Description**

Description	D-Hexamannuronic acid, an alginate oligomer, is derived from marine brown algae and
	a restricted group of Gram negative bacteria. This compound serves as a valuable tool
	for investigating pain and vascular dementia[4].

## **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	0.9304 mL	4.6522 mL	9.3044 mL
5 mM	0.1861 mL	0.9304 mL	1.8609 mL
10 mM	0.093 mL	0.4652 mL	0.9304 mL
50 mM	0.0186 mL	0.093 mL	0.1861 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.

### 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

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