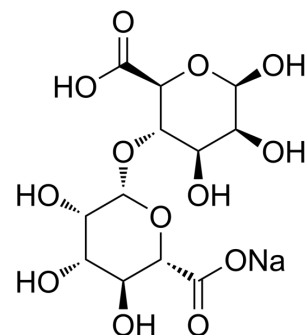


D-Dimannuronic acid sodium

Cat. No.:	HY-N7699H
Molecular Formula:	C ₁₂ H ₁₇ NaO ₁₃
Molecular Weight:	392.25
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (318.67 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5494 mL	12.7470 mL	25.4939 mL
	5 mM	0.5099 mL	2.5494 mL	5.0988 mL
	10 mM	0.2549 mL	1.2747 mL	2.5494 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

D-Dimannuronic acid is an alginate extract from brown algae which can be used to synthesize sulfated polymannuronate (SPMG)-derived oligosaccharides^[1].

REFERENCES

[1]. Liu H, et, al. Multiple and multivalent interactions of novel anti-AIDS drug candidates, sulfated polymannuronate (SPMG)-derived oligosaccharides, with gp120 and their anti-HIV activities. *Glycobiology*. 2005 May; 15(5):501-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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