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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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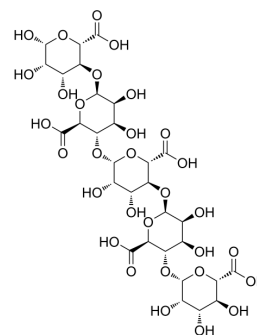
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D-Pentamannuronic acid

Cat. No.:	HY-N7699C
CAS No.:	183668-50-0
Molecular Formula:	C ₃₀ H ₄₂ O ₃₁
Molecular Weight:	898.64
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

D-Pentamannuronic acid, an alginate oligomer, is produced by marine brown algae and by a limited range of Gram negative bacteria. D-Pentamannuronic acid can be used for the research of pain and vascular dementia^{[1][2][3][4]}.

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. Geng M, et, al. Application of sodium alginate oligose and derivative to treatment of pain. CN106344595A.
- [4]. Geng M, et, al. Application of sodium alginate oligose and derivative to treatment of vascular dementia. CN106344593A.

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

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