



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

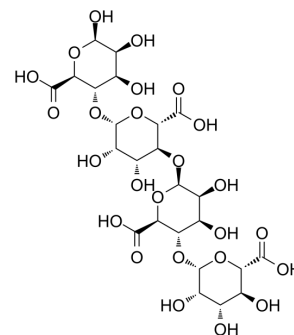
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## D-Tetramannuronic acid

Cat. No.:	HY-N7699B
CAS No.:	149511-34-2
Molecular Formula:	C <sub>24</sub> H <sub>34</sub> O <sub>25</sub>
Molecular Weight:	722.51
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

#### Description

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

### REFERENCES

- [1]. Heyraud A, et, al. HPLC analysis of saturated or unsaturated oligoguluronates and oligomannuronates. Application to the determination of the action pattern of *Halotilus 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA