



# 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

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## Sodium alginate

Cat. No.:	HY-Y1310
CAS No.:	9005-38-3
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## Sodium alginate

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 6.67 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

**Description** Sodium alginate is the sodium salt of alginic acid. Sodium alginate can be extracted and purified from brown seaweed *Laminaria japonica*. Sodium alginate can be used in food additives and pharmaceuticals, adsorb heavy metal ions, and has mucosal-protective and hemostatic effects<sup>[1][2]</sup>.

**In Vivo** Sodium alginate (0.1-0.5 mL; parietal periosteum, intradermal and subcutaneous injection once) induces granulomatous reactions in rats<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	8-week-old male Wistar rats <sup>[1]</sup>
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Dosage:	0.1-0.5 mL
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Administration:	Parietal periosteum, intradermal and subcutaneous injection; 0.2, 0.1 and 0.5 mL respectively, once
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Result:	Induced macrophages recruitment and generated skin uplift.
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### REFERENCES

[1]. Mori M, et al. Sodium Alginate as a Potential Therapeutic Filler: An In Vivo Study in Rats. *Mar Drugs*. 2020 Oct 19;18(10):520.

[2]. Gao X, et al. Adsorption of heavy metal ions by sodium alginate based adsorbent-a review and new perspectives. *Int J Biol Macromol*. 2020 Dec 1;164:4423-4434.

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

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