



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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- Mindermengenzuschlag
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## Sodium carboxymethyl cellulose (Viscosity:800-1200 mPa.s)

|                  |   |                                |
|------------------|---|--------------------------------|
| <b>Cat. No.:</b> | HY-Y0703                                |                                |
| <b>CAS No.:</b>  | 9004-32-4                               |                                |
| <b>Target:</b>   | Biochemical Assay Reagents              |                                |
| <b>Pathway:</b>  | Others                                  | Sodium carboxymethyl cellulose |
| <b>Storage:</b>  | 4°C, sealed storage, away from moisture |                                |

### SOLVENT & SOLUBILITY

|                 |   |
|-----------------|---|
| <b>In Vitro</b> | H <sub>2</sub> O : 10 mg/mL (Need ultrasonic) |
|-----------------|---|

### BIOLOGICAL ACTIVITY

|                    |   |
|--------------------|---|
| <b>Description</b> | Sodium carboxymethyl cellulose (Viscosity:800-1200 mPa.s) is the sodium salt of cellulose arboxymethyl and frequently used as viscous agent, paste and barrier agent.   |
| <b>In Vivo</b>     | <p>Protocol for preparing 0.5% CMC-Na Solution<br/>Measure 0.5g of dry CMC-Na and dissolved in 100 ml ddH<sub>2</sub>O/0.9% Saline (0.9 g NaCl in 100 ml ddH<sub>2</sub>O) to make a clear solution.<br/>Under the condition of stirring and heating (50-65°C), adding CMC-Na slowly to ddH<sub>2</sub>O/0.9% Saline helps to accelerate dissolution.</p> <p>Note</p> <ol style="list-style-type: none"> <li>You must ensure that your CMC-Na solution does not exist solid-liquid separation phenomenon. The solution is in a uniform and transparent state has no particles in it.</li> <li>Completely dissolution of CMC-Na may requires 4 hours or more longer.</li> </ol> <p>In a pharmacological test, CMC-Na (oral;5% in water; 1 year) is well tolerated in rats<sup>[2]</sup>.<br/>In an acute oral toxicity study in female mice, LD<sub>50</sub> of CMC-Na for female mice is 14 g/kg body weight of mice, equivalent to 9.8 g/kg body weight of rat, categorized as practically non-toxic according to Loomis criteria (LD<sub>50</sub> 5-15g/kg body weight of rat)<sup>[3]</sup>.<br/>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |

### CUSTOMER VALIDATION

- Phytomedicine. 2024 Feb 16, 155423.
- Antioxidants (Basel). 2022, 11(11), 2093.

- Transplantation. 2022 Jun 16.
- Int Immunopharmacol. 2022 Apr 30;109:108805.
- Int Immunopharmacol. 2022 Mar 9;107:108681.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Du XH, et al. Dexamethasone and sodium carboxymethyl cellulose prevent postoperative intraperitoneal adhesions in rats. *Braz J Med Biol Res.* 2015 Apr;48(4):344-8.
- [2]. Common Vehicles for Nonclinical Evaluation of Therapeutic Agents.
- [3]. Ida Musfiroh, et al. Toxicity Evaluation of Na-CMC synthesized from Cellulose of Water Hyacinth (*Eichhornia crassipes* (Mart.) Solms). ISSN: 0975-8585
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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