



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Sodium carboxymethyl cellulose (Viscosity:5000-15000 mPa.s)

<b>Cat. No.:</b>	HY-Y1889			Sodium carboxymethyl cellulose
<b>CAS No.:</b>	9004-32-4			
<b>Target:</b>	Biochemical Assay Reagents			
<b>Pathway:</b>	Others			
<b>Storage:</b>	Powder	-20°C	3 years	
		4°C	2 years	

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 6.25 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	Sodium carboxymethyl cellulose (Viscosity:5000-15000 mPa.s) is the sodium salt of cellulose arboxymethyl and frequently used as viscous agent, paste and barrier agent.
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<b>In Vivo</b>	<p>Protocol for preparing 0.5% CMC-Na Solution 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. 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>. 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>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>
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### REFERENCES

- [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.

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

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