

Sodium carboxymethyl cellulose (MW 250000)

Cat. No.:	HY-Y1889A
CAS No.:	9004-32-4
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years

Sodium carboxymethyl cellulose (MW 250000)

BIOLOGICAL ACTIVITY

Description	Sodium carboxymethyl cellulose (CMC-Na) (MW 250000) is a sodium salt of carboxymethyl cellulose. Sodium carboxymethyl cellulose has adsorption and corrosion inhibition on low-carbon steel in an acidic medium. Sodium carboxymethyl cellulose can be used as a thickener, paste and barrier agent ^{[1][2][3]} .
In Vivo	Sodium carboxymethyl cellulose (3 mL + 3/8 mg dexamethasone (HY-14648), coating surface) combines with dexamethasone in the rat model of postoperative peritoneal adhesion can prevent postoperative adhesion formation ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nat Commun. 2022 Nov 8;13(1):6740.
- J Adv Res. 2023 Mar 18;S2090-1232(23)00086-3.
- Phytomedicine. 2023 Feb 4;112:154700.
- Drug Des Devel Ther. 2023 Jul 25;17:2183-2192.
- Research Square Preprint. 2023 Jul 3.

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REFERENCES

- [1]. Bayol E, et al. Adsorption behavior and inhibition corrosion effect of sodium carboxymethyl cellulose on mild steel in acidic medium. Acta Physico-Chimica Sinica, 2008, 24(12): 2236-2243..
- [2]. 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.
- [3]. Ahmed A Oun, et al. Effect of oxidized chitin nanocrystals isolated by ammonium persulfate method on the properties of carboxymethyl cellulose-based films. Carbohydr Polym. 2017 Nov 1;175:712-720.

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

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