Sodium carboxymethyl cellulose (Viscosity:1200-1400 mPa.s)

Cat. No.: HY-Y0703A

CAS No.: 9004-32-4

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 carboxymethyl cellulose

SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (ultrasonic and warming and heat to 60°C) H_2O : 8.33 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	Sodium carboxymethyl cellulose (Viscosity:1200-1400 mPa.s) is the sodium salt of cellulose arboxymethyl and frequently used as viscous agent, paste and barrier agent.
In Vivo	Protocal for preparing 0.5% CMC-Na Solution Measure 0.5g of dry CMC-Na and dissolved in 100 ml ddH2O/0.9% Saline (0.9 g NaCl in 100 ml ddH2O) to make a clear solution. Under the condition of stirring and heating (50-65°C), adding CMC-Na slowly to ddH2O/0.9% Saline helps to accelerate dissolution. Note 1.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. 2.Completely dissolution of CMC-Na may requires 4 hours or more longer. In a pharmacological test, CMC-Na (oral;5% in water; 1 year) is well tolerated in rats[2]. In an acute oral toxicity study in female mice, LD_{50} 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_{50} 5-15g/kg body weight of rat)[3]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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