Product Data Sheet

Product Name: Sodium carboxymethyl cellulose
Cat. No.: GC30042

Chemical Properties

Cas. No.	9085-26-1		
SMILES	[Sodium carboxymethyl cellulose]		
Formula		M.Wt	
Solubility	Water : 16.67 mg/mL	Storage	Store at RT
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Protocol

□□□□□□□□rGO□□□□□□□□[1]

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1□□□□□□□□Sodium carboxymethyl cellulose□□□□□□□□□□□□□□□□□□□□150rpm□□□□□□□6□□□□□Sodium carboxymethyl cellulose□□□□

2□□□□□□□□□□□□□□□□□□□2mg/mL rGO□

2□□□□□□□□□□□□50%□□□□□□□□□□□□□□rGO□□□□□□2□□□

3□□□□□□□□rGO□Sodium carboxymethyl cellulose□□□□□□□□□□1□□□□□□□□rGO□□□□

References:

[1] Ali NH, Amin MCIM, Ng SF. Sodium carboxymethyl cellulose hydrogels containing reduced graphene oxide (rGO) as a functional antibiofilm wound dressing. J Biomater Sci Polym Ed. 2019 Jun;30(8):629-645.

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Background

Sodium carboxymethyl cellulose is a semi-synthetic cellulose derivative with high drug loading capacity, excellent biocompatibility and biodegradability, and high water content[1]. Sodium carboxymethyl cellulose can also be used to detect cellulase activity[2].

References:
[1] Ali NH, Amin MCIM, Ng SF. Sodium carboxymethyl cellulose hydrogels containing reduced graphene oxide (rGO) as a functional antibiofilm wound dressing. J Biomater Sci Polym Ed. 2019 Jun;30(8):629-645.
[2] Gao L, Guan Z, Gao P, et al. Cytophaga hutchinsonii gldN, Encoding a Core Component of the Type IX Secretion System, Is Essential for Ion Assimilation, Cellulose Degradation, and Cell Motility. Appl Environ Microbiol. 2020 May 19;86(11):e00242-20.

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