
Product Data Sheet

Product Name: Hypromellose (Celacol HPM 5000)

Cat. No.: GC30070

Chemical Properties

Cas. No. 9004-65-3

SMILES OC[C@H]1O[C@@H](O[C@H]2C(O)[C@@H](O)[C@H](OC)O[C@@H]2CO)[C@H](O)C(O)[C@@H]1OC.CO.CC(O)CO.[n]

Formula C₁₈H₃₈O₁₄

M.Wt 478.49

Solubility DMSO : 25 mg/mL (52.25 mM); Water : 10 mg/mL (20.90 mM)

Storage Store at-20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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 **Background**

Hypromellose (Hydroxypropyl Methyl Cellulose, HPMC, Celacol HPM 5000) is a commonly employed cellulose ether used in the fabrication of hydrophilic matrices. Hypromellose provides the release of a drug in a controlled manner, effectively increasing the duration of release of a drug to prolong its therapeutic effect.

[1] Chi L Li, et al. J Pharm Pharmacol. 2005 May;57(5):533-46.

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

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