Product Data Sheet

HPMC (Type II, Viscosity: 5mPa.s)

Cat. No.: HY-A0104J
CAS No.: 9004-65-3

Target: Biochemical Assay Reagents

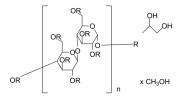
Pathway: Others

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro H₂O: 100 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description

HPMC (Hypromellose) (Type II,Viscosity:5mPa.s) is a hydrophilic, non-ionic cellulose ether used to form swellable-soluble matrices. HPMC (Type II,Viscosity:5mPa.s) is widely used in agent formulations due to its biocompatibility, uncharged

nature, solubility in water and thermoplastic behavior^{[1][2]}.

In Vitro HPMC(Type II,Viscosity:5mPa.s) 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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li CL, Martini LG, Ford JL, Roberts M. The use of hypromellose in oral drug delivery. J Pharm Pharmacol. 2005 May;57(5):533-46.

[2]. Tundisi LL, et al. Hydroxypropyl methylcellulose: Physicochemical properties and ocular drug delivery formulations. Eur J Pharm Sci. 2021 Apr 1;159:105736.

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

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