

Methyl cellulose

Cat. No.:	HY-125861		
CAS No.:	9004-67-5		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years

Methyl cellulose

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : < 0.1 mg/mL (insoluble)
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BIOLOGICAL ACTIVITY

Description	Methylcellulose is a natural polymer which gels on heating. Methylcellulose is not toxic.
In Vivo	<p>Protocol for preparing 0.5% Methylcellulose Solution</p> <p>Measure 0.5g of dry Methylcellulose and dissolved in 100 ml ddH₂O/0.9% Saline (0.9 g NaCl in 100 ml ddH₂O) to make a clear solution.</p> <p>Under the condition of stirring and heating (50-65°C), adding Methylcellulose slowly to ddH₂O/0.9% Saline helps to accelerate dissolution.</p> <p>Note</p> <ol style="list-style-type: none"> You must ensure that your Methylcellulose solution does not exist solid-liquid separation phenomenon. The solution is in a uniform and transparent state has no particles in it. Completely dissolution of Methylcellulose may requires 4 hours or more longer. <p>0.5% Methylcellulose solution (0.5% MC) can be used for oral administration or intraperitoneal injection^[1]</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

CUSTOMER VALIDATION

- Cancer Cell. 2020 Dec 14;38(6):844-856.e7.
- Biomark Res. 2023 Jan 24;11(1):8.
- J Transl Med. 2024 Jan 18;22(1):74.
- Liver Int. 2023 May 19.
- Biomedicines. 2023 May 18, 11(5), 1478.

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REFERENCES

[1]. Stacey Meeker, et al. Repeated Intraperitoneal Administration of Low-Concentration Methylcellulose Leads to Systemic Histologic Lesions Without Loss of Preclinical Phenotype. J Pharmacol Exp Ther. 2019 Oct;371(1):25-35

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

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