

## Ethyl cellulose

Cat. No.:	HY-W115746		
CAS No.:	9004-57-3		
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

## Ethyl Cellulose

### SOLVENT & SOLUBILITY

In Vitro	Ethanol : 16.67 mg/mL (ultrasonic and warming and heat to 60°C)
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### BIOLOGICAL ACTIVITY

#### Description

Ethyl cellulose is a derivative of cellulose. Ethyl cellulose serves as a non-toxic and biodegradable polymer, with unique properties such as oleogel formation, delivery of active component, and film-forming ability in the food and pharmaceutical sectors. Ethyl cellulose can be used as an excipient, such as coating agent, flavoring agent, tablet filler. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs [1][2].

### REFERENCES

[1]. Ahmadi P, Jahanban-Esfahlan A, Ahmadi A, et al. Development of ethyl cellulose-based formulations: A perspective on the novel technical methods[J]. Food Reviews International, 2022, 38(4): 685-732.

[2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

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

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