Data Sheet (Cat.No.TSH-00296)

TargetMol

Methyl cellulose (Viscosity:4000mPa.s)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at RT
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Methyl cellulose (Viscosity:4000mPa.s) is a methyl ester derivative of cellulose exhibiting thermogel properties. It is commonly employed as a thickener, emulsifier, and biomaterial, widely utilised in life science research and experimentation.
Targets(IC50)	Others
In vivo	**Methods**: Methyl cellulose (Viscosity:4000mPa.s) (0.5%, twice weekly for 6 weeks) was administered to CF-1 mice via intraperitoneal injection and oral routes to evaluate its effects on systemic histological lesions in mice, particularly its impact on the phenotype of preclinical disease models. **Results**: Repeated intraperitoneal injection of low-concentration Methyl cellulose (0.5%) induced systemic histological lesions in mice but did not affect the preclinical phenotype of the CKM model. Despite extensive pathological changes, the behavior and seizure stability of the mice remained unaffected. Mice administered Methyl cellulose orally did not exhibit the aforementioned lesions. [1]

Solubility Information

Solubility	H2O: 3 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

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.

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