Data Sheet (Cat.No.TSH-00380)

TargetMol

Methyl cellulose(Viscosity:15mPa.s)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Methyl cellulose (Viscosity: 15 mPa.s) is a non-ionic cellulose ether with surface activity and thermogelation properties. This viscosity grade of methyl cellulose is widely applied in pharmaceutical, food, cosmetic and construction industries, acting as a drug delivery carrier, thickener, stabilizer and emulsifier.
Targets(IC50)	Others
In vivo	Methods: Methyl cellulose (Viscosity: 15 mPa.s) was administered to CF-1 mice via intraperitoneal injection or oral route twice a week for 6 consecutive weeks, and its in vivo safety and histopathological changes were observed. Results: Intraperitoneal injection of methyl cellulose (Viscosity: 15 mPa.s) induced systemic histological lesions in CF-1 mice, while oral administration exhibited good safety profile [1]. Notes 1.The prepared methyl cellulose (Viscosity: 15 mPa.s) solution should be homogeneous, transparent and particle-free without solid-liquid stratification. 2.Complete dissolution of methyl cellulose (Viscosity: 15 mPa.s) usually takes 4 hours or longer.

Solubility Information

Solubility	H2O: 40 mg/mL,Sonication is recommended. (< 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481