Data Sheet (Cat.No.T19232)

TargetMol

CMC-Na (Viscosity:800-1200 mPa.s)

Chemical Properties

CAS No. : 9004-32-4

Formula:

Molecular Weight:

Storage: Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Sodium carboxymethyl cellulose (CMC-Na) (Viscosity:800-1200 mPa.s) is a water-soluble cellulose, commonly used as a co-solvent in animal experiments, and is essentially non-toxic to animals.
Targets(IC50)	Others
In vivo	**METHODS**: To test the antitumor activity in vivo, AMG-510 (30 mg/kg in 0.5% Sodium carboxymethyl cellulose) was administered by gavage once a day for four weeks to Balb/C nude mice harboring the human lung cancer tumor H358. **RESULTS**: AMG-510 inhibited the growth of H358 tumor. [1] **METHODS**: To test the antitumor activity in vivo, cediranib (5 mg/kg in 5% Sodium carboxymethyl cellulose) was administered by gavage to C57BL/6J mice bearing the mouse colorectal cancer tumor MC38 five times a week for eight days. **RESULTS**: Cediranib inhibited MC38 tumor growth. [2]

Solubility Information

Solubility	DMSO: insoluble H2O: 10.00 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Wu LL, et al. AMG-510 and cisplatin combination increases antitumor effect in lung adenocarcinoma with mutation of KRAS G12C: a preclinical and translational research. Discov Oncol. 2023 Jun 7;14(1):91.

Wu L L, Jiang W M, Liu Z Y, et al.AMG-510 and cisplatin combination increases antitumor effect in lung adenocarcinoma with mutation of KRAS G12C: a preclinical and translational research.Discover Oncology.2023, 14 (1): 91.

Zhang J, et al. Cediranib enhances the transcription of MHC-I by upregulating IRF-1. Biochem Pharmacol. 2024 Mar;221:116036.

Lan H, Dong Z W, Zhang M Y, et al.Sinapic acid modulates oxidative stress and metabolic disturbances to attenuate ovarian fibrosis in letrozole-induced polycystic ovary syndrome SD rats.Food Science & Nutrition.2024

Zhang J, Guo H, Wang L, et al.Cediranib enhances the transcription of MHC-I by upregulating IRF-1.Biochemical Pharmacology.2024: 116036.

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