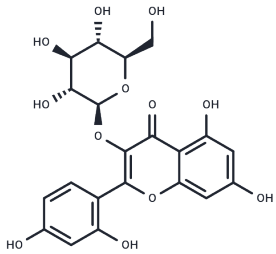
Data Sheet (Cat.No.T75501)

TargetMol

Morin 3-O-β-D-glucopyranoside

Chemical Properties



CAS No. : 1169766-14-6

Formula: C21H20O12

Molecular Weight: 464.38

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	Morin 3-O-β-D-glucopyranoside is a natural flavonoid with potent antifungal, anticancer, and antioxidant activities. Morin 3-O-β-D-glucopyranoside inhibits reverse transcriptase, protein-tyrosine kinase, and xanthine oxidase, and also exhibits anti-HIV, antiarteriosclerotic, and superoxide scavenging activities.
Targets(IC50)	HIV Protease,Reverse Transcriptase,Xanthine Oxidase
In vitro	In vitro, Morin 3-O-β-D-glucopyranoside significantly suppresses the cell viability of HepG2, HCT116, and HT29 cell lines to 11.20%, 22.19%, and 38.11% of control levels, respectively [1]. It also exhibits potent anti-lipid peroxidation activity.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1534 mL	10.767 mL	21.5341 mL
5 mM	0.4307 mL	2.1534 mL	4.3068 mL
10 mM	0.2153 mL	1.0767 mL	2.1534 mL
50 mM	0.0431 mL	0.2153 mL	0.4307 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Javid Hussain, et al. Isolation and bioactivities of the flavonoids morin and morin-3-O-beta-D-glucopyranoside from Acridocarpus orientalis-A wild Arabian medicinal plant. Molecules. 2014 Oct 31;19(11):17763-72.

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