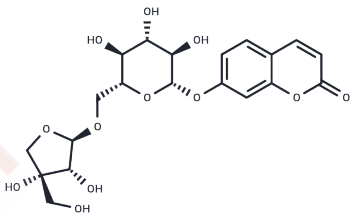
Data Sheet (Cat.No.TN1001)

TargetMol

Apiosylskimmin

Chemical Properties



CAS No. : 103529-94-8

Formula: C20H24O12

Molecular Weight: 456.4

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	Apiosylskimmin is a natural product from Angelica gigas.
Targets(IC50)	Others
In vitro	Using antiplasmodial activity-guided fractionation, five coumarins, marmesinin (1), nodakenin (2), skimmin (3), Apiosylskimmin (4), and magnolioside (5), were isolated and evaluated for in vitro antiplasmodial activity, as well as for their cytotoxic potential on SK-OV-3 cancer cell lines. Compounds 1 and 5 showed notable growth inhibitory activity against chloroquine-sensitive strains of P. falciparum with IC(50) values of 5.3 and 8.2 μM. The compounds showed no significant cytotoxicity (IC(50) > 100 μM) toward the SK-OV-3 cancer cell line.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1911 mL	10.9553 mL	21.9106 mL
5 mM	0.4382 mL	2.1911 mL	4.3821 mL
10 mM	0.2191 mL	1.0955 mL	2.1911 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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

Antiplasmodial and cytotoxic activity of coumarin derivatives from dried roots of Angelica gigas Nakai in vitro. Immunopharmacol Immunotoxicol. 2011 Dec;33(4):663-6.

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