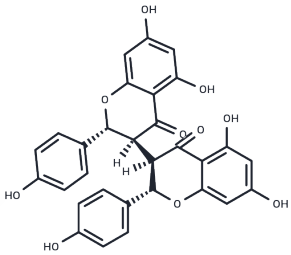
Data Sheet (Cat.No.TN4271)

TargetMol

Isochamaejasmine

Chemical Properties



CAS No. : 93859-63-3

Formula: C30H22O10

Molecular Weight: 542.49

Storage: Store at low temperature
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	Isochamaejasmine, isolated from S. chamaejasme L., inhibits NF-κB activation. Isochamaejasmine induces leukemia cell apoptosis by inhibiting the activity of Bcl-2 family proteins and can be used in anti-cancer research.
Targets(IC50)	Apoptosis,ERK,Bcl-2 Family,NF-κB,Caspase,Parasite,Antifection,DNA/RNA Synthesis,p38 MAPK,PARP,PKC
In vitro	Isochamaejasmine shows antiplasmodial activity with IC50 of 7.3 μM[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8434 mL	9.2168 mL	18.4335 mL
5 mM	0.3687 mL	1.8434 mL	3.6867 mL
10 mM	0.1843 mL	0.9217 mL	1.8434 mL
50 mM	0.0369 mL	0.1843 mL	0.3687 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

Qinghai Tian, et al. Stereospecific induction of nuclear factor-kappaB activation by isochamaejasmin. Mol Pharmacol. 2005 Dec;68(6):1534-42.

Liene Dhooghe, et al. Antiplasmodial activity of (I-3,II-3)-biflavonoids and other constituents from Ormocarpum kirkii. Phytochemistry. 2010 May;71(7):785-91.

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