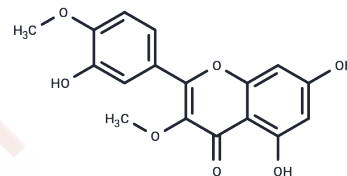


Quercetin 3,4'-dimethyl ether

Chemical Properties

CAS No. :	33429-83-3
Formula:	C17H14O7
Molecular Weight:	330.29
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	Quercetin 3,4'-dimethyl ether shows anti-lipid peroxidation activity (IC 50 values of 0.3 μ M), it also shows anti-inflammatory activity. Quercetin 3,4'-dimethyl ether could be useful in the development of novel anticancer agents, it has high cytotoxic against leukemia cells, it induces cell death is mediated by an intrinsic dependent apoptotic event involving mitochondria and MAPKs, and through a mechanism independent of the generation of reactive oxygen species.
Targets(IC50)	ERK,Bcl-2 Family,MAPK,Caspase,JNK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0276 mL	15.1382 mL	30.2764 mL
5 mM	0.6055 mL	3.0276 mL	6.0553 mL
10 mM	0.3028 mL	1.5138 mL	3.0276 mL
50 mM	0.0606 mL	0.3028 mL	0.6055 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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