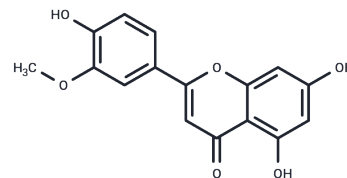


Chrysoeriol

Chemical Properties

CAS No. :	491-71-4
Formula:	C ₁₆ H ₁₂ O ₆
Molecular Weight:	300.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Chrysoeriol has antioxidant, antiinflammatory, antitumor, antimicrobial, antiviral, and free radical scavenging activities, it also shows selective bronchodilator effect.
Targets(IC50)	ERK,p38 MAPK,Akt
In vitro	Chrysoeriol significantly inhibited PDGF (20 ng/mL)-induced migration and [(3)H]-thymidine incorporation into DNA at concentrations of 5 and 10 microM without any cytotoxicity. Chrysoeriol also blocked PDGF-stimulated dissociation of actin filament and inhibited PDGF beta-receptor (Rbeta) phosphorylation in a concentration-dependent manner. As a result, the downstream signal transduction pathways of PDGF-Rbeta, including ERK1/2, p38, and Akt phosphorylation, were also inhibited by Chrysoeriol in the same pattern[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (166.52 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3304 mL	16.6522 mL	33.3045 mL
5 mM	0.6661 mL	3.3304 mL	6.6609 mL
10 mM	0.333 mL	1.6652 mL	3.3304 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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.

Reference

An inhibitory effect of chrysoeriol on platelet-derived growth factor (PDGF)-induced proliferation and PDGF receptor signaling in human aortic smooth muscle cells. J Pharmacol Sci. 2009 May;110(1):105-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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