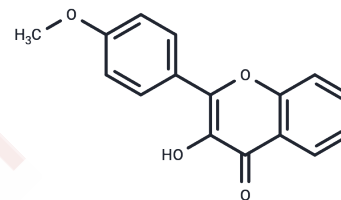


4'-Methoxyflavonol

Chemical Properties

CAS No. :	6889-78-7
Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4'-Methoxyflavonol is a synthetic flavonol with an additional 3-hydroxyl group and higher antioxidant capacity than 4'-Methoxyflavone. 4'-Methoxyflavonol interacts with the lipid bilayer of DPPC model membranes, and is capable of scavenging free radicals and antioxidant activity in DPPH assays, and exhibits some antiproliferative activity against K562 and MCF-7 cancer cell lines.
Targets(IC50)	Free radical scavengers, Others

Solubility Information

Solubility	H ₂ O: Insoluble, < 0.1 mg/mL (insoluble) DMSO: 4 mg/mL (14.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7277 mL	18.6386 mL	37.2773 mL
5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM	0.3728 mL	1.8639 mL	3.7277 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 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

Islam MT. Variation in chemotactic preferences of Aphanomyces cochlioides zoospores to flavonoids. Z Naturforsch C. 2009 Nov-Dec;64(11-12):847-52.

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