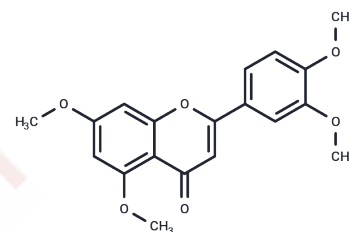


5,7,3',4'-Tetramethoxyflavone

Chemical Properties

CAS No. :	855-97-0
Formula:	C ₁₉ H ₁₈ O ₆
Molecular Weight:	342.34
Storage:	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	5,7,3',4'-Tetramethoxyflavone (TMF), a prominent polymethoxyflavone (PMF) derived from <i>M. exotica</i> , displays a range of notable bioactivities. These include anti-malarial, anti-fungal, anti-mycobacterial, and anti-inflammatory properties. Moreover, TMF specifically targets β -catenin signaling to exhibit chondroprotective activity.
Targets(IC50)	Antibacterial,Parasite,Antifungal

Solubility Information

Solubility	DMSO: 8.06 mg/mL (23.54 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	2.9211 mL	14.6054 mL	29.2107 mL
5 mM	0.5842 mL	2.9211 mL	5.8421 mL
10 mM	0.2921 mL	1.4605 mL	2.9211 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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

Wu L, et al. 5,7,3',4'-Tetramethoxyflavone exhibits chondroprotective activity by targeting β -catenin signaling in vivo and in vitro. *Biochem Biophys Res Commun.* 2014 Sep 26;452(3):682-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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