

3,5,7,3',4'-Pentamethoxyflavone

Chemical Properties

CAS No. : 1247-97-8

Formula: C₂₀H₂₀O₇

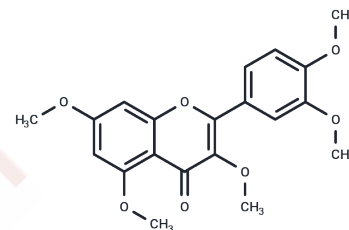
Molecular Weight: 372.37

Keep away from direct sunlight, Keep away from moisture

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	3,5,7,3',4'-Pentamethoxyflavone (Quercetin 3,5,7,3,4-pentamethyl ether) is a natural product that induces adipogenesis in 3T3-L1 preadipocytes by regulating transcription factors during the early stages of differentiation.
Targets(IC50)	Others, Calcium Channel

Solubility Information

Solubility	DMSO: 30 mg/mL (80.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.37 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6855 mL	13.4275 mL	26.855 mL
5 mM	0.5371 mL	2.6855 mL	5.371 mL
10 mM	0.2686 mL	1.3428 mL	2.6855 mL
50 mM	0.0537 mL	0.2686 mL	0.5371 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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