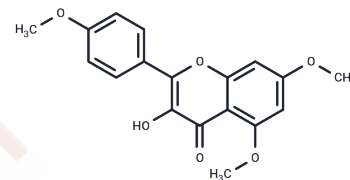


Kaempferol 5,7,4'-trimethyl ether

Chemical Properties

CAS No. :	1098-92-6
Formula:	C ₁₈ H ₁₆ O ₆
Molecular Weight:	328.32
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Kaempferol 5,7,4'-trimethyl ether inhibits the NF-κB p65 subunit in HeLa cells, inhibits the growth of HT-29 cells and CCD-112CoN cells, and inhibits LPS-induced NO production in RAW 264.7 cells, making it useful for colon cancer research.
Targets(IC50)	NF-κB, NO Synthase

Solubility Information

Solubility	DMSO: 80 mg/mL (243.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (10.05 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	3.0458 mL	15.229 mL	30.4581 mL
5 mM	0.6092 mL	3.0458 mL	6.0916 mL
10 mM	0.3046 mL	1.5229 mL	3.0458 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

Yu Q L, et al. 3-Hydroxy-5, 7, 4'-trimethoxyflavone monohydrate from Cucubalus baccifer (L.)[[J]]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62(7): o2910-o2911.

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