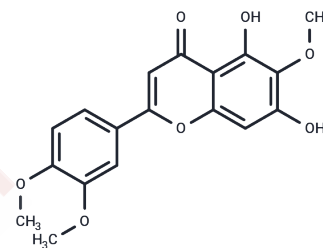


Eupatilin

Chemical Properties

CAS No. :	22368-21-4
Formula:	C ₁₈ H ₁₆ O ₇
Molecular Weight:	344.32
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	Eupatilin (NSC-122413), a flavone derived from Artemisia princeps Pampanini, is a PPAR α agonist, with pharmacological activity.
Targets(IC50)	Autophagy, PPAR

Solubility Information

Solubility	DMSO: 62 mg/mL (180.07 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 (5.81 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	2.9043 mL	14.5214 mL	29.0428 mL
5 mM	0.5809 mL	2.9043 mL	5.8086 mL
10 mM	0.2904 mL	1.4521 mL	2.9043 mL
50 mM	0.0581 mL	0.2904 mL	0.5809 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

Li YY, et al. Oncol Lett. 2015 Oct;10(4):2505-2510.;

Yu K, et al. Int J Clin Exp Med. 2015 Dec 15;8(12):22191-7.

Jeong JH, et al. PLoS One. 2015 Jun 17;10(6):e0130882.

Du L, et al. Eupatilin prevents H₂O₂-induced oxidative stress and apoptosis in human retinal pigment epithelial cells. Biomed Pharmacother. 2017 Jan;85:136-140.

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