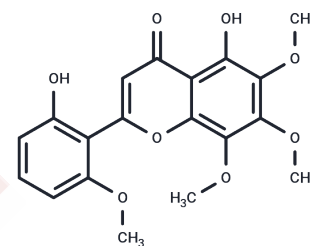


Skullcapflavone II

Chemical Properties

CAS No. :	55084-08-7
Formula:	C ₁₉ H ₁₈ O ₈
Molecular Weight:	374.34
Storage:	Keep away from direct sunlight 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	Skullcapflavone II is a flavonoid derived from <i>Scutellaria baicalensis</i> , a widely used herbal medicine in anti-inflammatory and anticancer therapy. Skullcapflavone II may have therapeutic potential for the treatment of allergic asthma. Skullcapflavone II regulates osteoclast differentiation, survival, and function. Skullcapflavone II exerts potent antimicrobial activity against <i>M. aurum</i> and <i>M. bovis</i> BCG
Targets(IC50)	Antibacterial, COX, TGF-beta/Smad

Solubility Information

Solubility	DMSO: 50 mg/mL (133.57 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: 1 mg/mL (2.67 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	2.6714 mL	13.3568 mL	26.7137 mL
5 mM	0.5343 mL	2.6714 mL	5.3427 mL
10 mM	0.2671 mL	1.3357 mL	2.6714 mL
50 mM	0.0534 mL	0.2671 mL	0.5343 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

Lee Y H , Seo E K , Lee S T . Skullcapflavone II Inhibits Degradation of Type I Collagen by Suppressing MMP-1 Transcription in Human Skin Fibroblasts[J]. International Journal of Molecular Sciences, 2019, 20(11).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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