

Scutellarein

Chemical Properties

CAS No. : 529-53-3

Formula: C₁₅H₁₀O₆

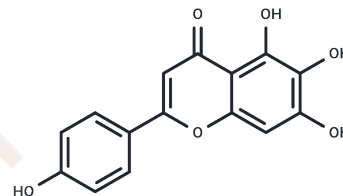
Molecular Weight: 286.24

Storage:

Keep away from direct sunlight, Keep away from moisture

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	Scutellarein (6-Hydroxyapigenin) reduces inflammatory responses by inhibiting Src kinase activity.
Targets(IC50)	Autophagy,SARS-CoV,Src

Solubility Information

Solubility	DMSO: 50 mg/mL (174.68 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 (6.99 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	3.4936 mL	17.4679 mL	34.9357 mL
5 mM	0.6987 mL	3.4936 mL	6.9871 mL
10 mM	0.3494 mL	1.7468 mL	3.4936 mL
50 mM	0.0699 mL	0.3494 mL	0.6987 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

Sung NY, et al. Korean J Physiol Pharmacol. 2015 Sep;19(5):441-9.

Zhang Y, Yu F, Hao J, et al. Study on the Effective Material Basis and Mechanism of Traditional Chinese Medicine Prescription (QJC) Against Stress Diarrhea in Mice. Frontiers in Veterinary Science. 2021, 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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