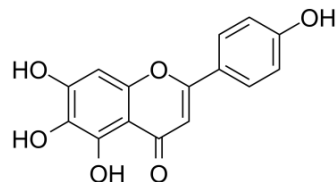


Scutellarein

Cat. No.:	HY-N0752
CAS No.:	529-53-3
Molecular Formula:	C ₁₅ H ₁₀ O ₆
Molecular Weight:	286.24
Target:	Src; Autophagy; SARS-CoV
Pathway:	Protein Tyrosine Kinase/RTK; Autophagy; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 30 mg/mL (104.81 mM)
* "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (7.27 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Scutellarin, a main active ingredient extracted from *Erigeron breviscapus* (Vant.) Hand-Mazz., has been widely used to treat acute cerebral infarction and paralysis induced by cerebrovascular diseases.

CUSTOMER VALIDATION

- Nucleic Acids Res. 2021 Jan 8;49(D1):D11113-D11121.
- Acta Pharm Sin B. 2021 Jan;11(1):143-155.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Xiaoxuan Tian, et al. Delineation of Platelet Activation Pathway of Scutellarein Revealed Its Intracellular Target as Protein Kinase C. Biological and Pharmaceutical Bulletin Vol. 39 (2016) No. 2 p. 181-191

[2]. Sung NY, et al. Scutellarein Reduces Inflammatory Responses by Inhibiting Src Kinase Activity. Korean J Physiol Pharmacol. 2015 Sep;19(5):441-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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