

Avicularin

Chemical Properties

CAS No. : 572-30-5

Formula: C₂₀H₁₈O₁₁

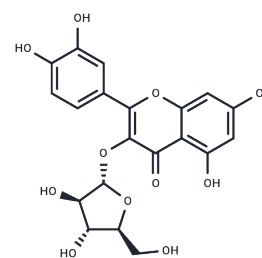
Molecular Weight: 434.35

Store at low temperature, Keep away from direct sunlight

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	Avicularin (Fenicularin) has anti-allergic, anti-inflammatory, hepatoprotective, antioxidant, anti-tumor and other activities. It ameliorates human hepatocellular carcinoma by modulating the activities of NF- κ B(p65), COX-2, and PPAR- γ . In LPS-stimulated RAW 264.7 macrophages, it exerts anti-inflammatory activity by inhibiting the ERK signaling pathway.
Targets(IC50)	Apoptosis,ERK,NF- κ B,COX,PPAR,transporter

Solubility Information

Solubility	H ₂ O: 1.15 mg/mL (2.65 mM),Sonication is recommended. DMSO: 120 mg/mL (276.27 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3023 mL	11.5115 mL	23.0229 mL
5 mM	0.4605 mL	2.3023 mL	4.6046 mL
10 mM	0.2302 mL	1.1511 mL	2.3023 mL
50 mM	0.046 mL	0.2302 mL	0.4605 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

Vo V A , Lee J W , Chang J E , et al. Avicularin Inhibits Lipopolysaccharide-Induced Inflammatory Response by Suppressing ERK Phosphorylation in RAW 264.7 Macrophages[J]. Biomolecules and Therapeutics, 2012, 20(6):532-537.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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