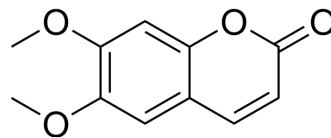


Scoparone

Cat. No.:	HY-N0228		
CAS No.:	120-08-1		
Molecular Formula:	C ₁₁ H ₁₀ O ₄		
Molecular Weight:	206.19		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (242.49 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	4.8499 mL	24.2495 mL	48.4990 mL
	5 mM	0.9700 mL	4.8499 mL	9.6998 mL
	10 mM	0.4850 mL	2.4249 mL	4.8499 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Scoparone is isolated from <i>Artemisia capillaris</i> Thunb., has anticoagulant, vasorelaxant antioxidant, anti-inflammatory activities ^[1] .
In Vitro	Scoparone (0-0.4 nM; 24-48 hours) produces the most inhibition on PSC proliferation at 0.4 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Scoparone (oral administration; 30 mg/kg, 60 mg/kg; 4 weeks) greatly ameliorates the pancreatic weight loss induced by

DBTC in pancreatitis rats^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Chronic Pancreatitis (CP) Rat Models ^[1]
Dosage:	30 mg/kg, 60 mg/kg
Administration:	Oral administration; 30 mg/kg, 60 mg/kg; 4 weeks
Result:	Protected against pancreatic damage

CUSTOMER VALIDATION

- J Inflamm Res. 2021 Dec 7;14:6601-6618.
- Anim Cells Syst. 2024 Feb 9;28(1):55-65.
- Trop J Pharm Res. Oct, 2022; 21 (10): 2093-2098
- bioRxiv. 2023 Jun 15.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Xu M, et al. Scoparone Protects Against Pancreatic Fibrosis via TGF- β /Smad Signaling in Rats. Cell Physiol Biochem. 2016;40(1-2):277-286. Epub 2016 Nov 18.

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

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