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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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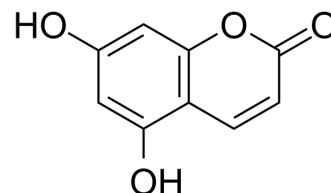
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5,7-Dihydroxycoumarin

Cat. No.:	HY-W072009
CAS No.:	2732-18-5
Molecular Formula:	C ₉ H ₆ O ₄
Molecular Weight:	178.14
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (140.34 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.6136 mL	28.0678 mL	56.1356 mL
		5 mM	1.1227 mL	5.6136 mL	11.2271 mL
		10 mM	0.5614 mL	2.8068 mL	5.6136 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (14.03 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	5,7-Dihydroxycoumarin is a coumarin isolated from the inflorescences of <i>Macaranga triloba</i> . 5,7-Dihydroxycoumarin has antibacterial activities ^{[1][2]} .
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REFERENCES

- [1]. Ishak Zakaria, et al. Flavonoids with antiplasmodial and cytotoxic activities of *Macaranga triloba*. *Fitoterapia*. 2012 Jul;83(5):968-72.
- [2]. Yi-Ping Chin, et al. Synthesis and evaluation of antibacterial activities of 5,7-dihydroxycoumarin derivatives. *Arch Pharm (Weinheim)*. 2011 Jun;344(6):386-93.

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

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