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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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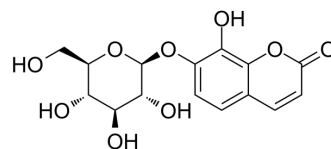
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Daphnin

Cat. No.:	HY-N7252
CAS No.:	486-55-5
Molecular Formula:	C ₁₅ H ₁₆ O ₉
Molecular Weight:	340.28
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (97.95 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9388 mL	14.6938 mL	29.3876 mL
		5 mM	0.5878 mL	2.9388 mL	5.8775 mL
		10 mM	0.2939 mL	1.4694 mL	2.9388 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 (7.35 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Daphnin is one of the major coumarin bioactive components with antibacterial activity. Daphnin is isolated from the whole herb of <i>Daphne odora</i> (Thunb.), which is a folk medicine in China for the relief of fever ^{[1][2]} .
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REFERENCES

- [1]. Zhu J, et al. Investigation the interaction of Daphnin with human serum albumin using optical spectroscopy and molecular modeling methods. *Spectrochim Acta A Mol Biomol Spectrosc.* 2012 Sep;95:252-7.
- [2]. Shakeel-U-Rehman, et al. Isolation, characterisation and antibacterial activity studies of coumarins from *Rhododendron lepidotum* Wall. ex G. Don, Ericaceae. *Rev. bras. farmacogn.* vol.20 no.6 Curitiba Dec. 2010 Epub Nov 12, 2010.

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

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