

## Daphnin

## Chemical Properties

CAS No. : 486-55-5

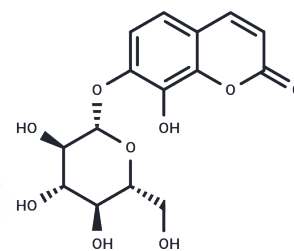
Formula: C<sub>15</sub>H<sub>16</sub>O<sub>9</sub>

Molecular Weight: 340.28

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	Daphnin is a natural product isolated from <i>Daphne tangutica</i> Maxim that exhibits inhibitory effects on HepG2 and Hep3B cells.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 25 mg/mL (73.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0588 mL	0.2939 mL	0.5878 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

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.

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.

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