

Product Data Sheet

Product Name: Daphnin
Cat. No.: GC63597

Chemical Properties

Cas. No. 486-55-5

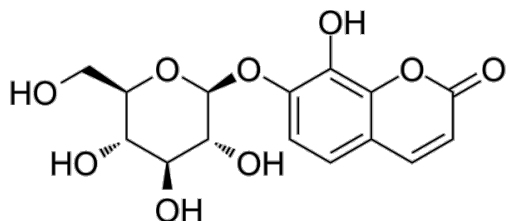
Formula $C_{15}H_{16}O_9$ M.Wt 340.28

Solubility DMSO : 33.33 mg/mL (97.95 mM; Need ultrasonic) Storage -20°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Daphnin is one of the major coumarin bioactive components with antibacterial activity. Daphnin is isolated from the whole herb of *Daphne odora* (Thunb.), which is a folk medicine in China for the relief of fever[1][2].

[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.

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

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[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.

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