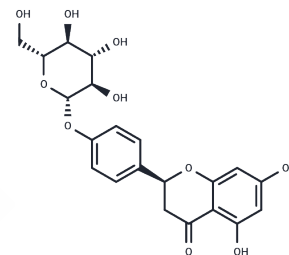


Choerospondin

Chemical Properties

CAS No. :	81202-36-0
Formula:	C ₂₁ H ₂₂ O ₁₀
Molecular Weight:	434.39
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Choerospondin, a dietary flavonoid glycoside isolated from the bark of the southern date palm (<i>Ziziphus jujuba</i> L.), is a potential α -glucosidase inhibitor with antiproliferative, antioxidant, antitumor, and anti-inflammatory activities that enhances the resistance to oxidative stress, and significantly inhibits inflammatory responses by attenuating mitogen-activated protein kinase phosphorylation and nuclear factor- κ B activation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (184.17 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	2.3021 mL	11.5104 mL	23.0208 mL
5 mM	0.4604 mL	2.3021 mL	4.6042 mL
10 mM	0.2302 mL	1.151 mL	2.3021 mL
50 mM	0.046 mL	0.2302 mL	0.4604 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

Lü YZ, et al. [The isolation and structural determination of naringenin and choerospondin from the bark of *Choerospondias axillaris*]. Yao Xue Xue Bao. 1983 Mar;18(3):199-202.

Cai XB, et al. [Functional characterization and enzymatic properties of flavonoid glycosyltransferase gene CtUGT49 in *Carthamus tinctorius*]. Zhongguo Zhong Yao Za Zhi. 2023 Dec;48(24):6624-6634.

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