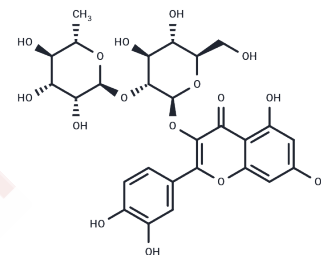


Quercetin 3-O-neohesperidoside

Chemical Properties

CAS No. :	32453-36-4
Formula:	C ₂₇ H ₃₀ O ₁₆
Molecular Weight:	610.52
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	Quercetin 3-O-neohesperidoside is a natural product exhibiting μM -level inhibitory activity against AChE.
Targets(IC50)	Cholinesterase (ChE)
In vitro	Two flavonol diglycosides, tamarixetin 3-O-neohesperidoside, kaempferide 3-O-neohesperidoside and the known Quercetin 3-O-neohesperidoside, together with six other known flavonoids were isolated from the leaves of <i>Costus spicatus</i> and their structures were elucidated by a combination of spectroscopic and chemical methods [2].

Solubility Information

Solubility	Ethanol: 40 mg/mL (65.52 mM), Sonication is recommended. DMSO: ≥ 80 mg/mL, 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	1.6379 mL	8.1897 mL	16.3795 mL
5 mM	0.3276 mL	1.6379 mL	3.2759 mL
10 mM	0.1638 mL	0.819 mL	1.6379 mL
50 mM	0.0328 mL	0.1638 mL	0.3276 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

Study on antiplatelet and antithrombin activities and effective components variation of Puhuang-Wulingzhi before and after compatibility. Zhongguo Zhong Yao Za Zhi. 2015 Aug;40(16):3187-93.

da Silva BP, et al. Flavonol glycosides from *Costus spicatus*. Phytochemistry. 2000;53(1):87-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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