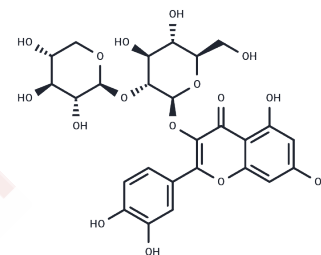


Quercetin 3-O-sambubioside

Chemical Properties

CAS No. :	83048-35-5
Formula:	C ₂₆ H ₂₈ O ₁₆
Molecular Weight:	596.49
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	Quercetin 3-O-sambubioside is a natural flavonoid and disaccharide derivative that scavenges free radicals thereby reducing cellular oxidative stress, stimulates nociceptors and increases spontaneous activity in mice.
Targets(IC50)	Antioxidant
In vivo	Methods: Quercetin 3-O-sambubioside (50-400 mg/kg, gavage) was administered to mice to evaluate the effects of quercetin-3-O-sambubioside on the nervous system. Results: Quercetin 3-O-sambubioside showed significant effects similar to nicotinamide in increasing spontaneous activity and stimulating nerve centers to enhance excitation. These findings suggest that quercetin-3-O-sambubioside has a powerful ability to promote nerve center stimulation. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (167.65 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	1.6765 mL	8.3824 mL	16.7647 mL
5 mM	0.3353 mL	1.6765 mL	3.3529 mL
10 mM	0.1676 mL	0.8382 mL	1.6765 mL
50 mM	0.0335 mL	0.1676 mL	0.3353 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

Li X, et al. Effect of quercetin-3-O-sambubioside isolated from *Eucommia ulmoides* male flowers on spontaneous activity and convulsion rate in mice. *Planta Med.* 2014;80(12):974-977.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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