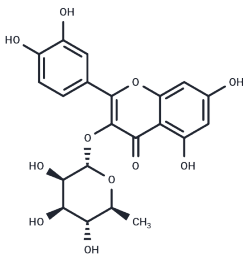


Quercitrin

Chemical Properties

CAS No. : 522-12-3
Formula: C₂₁H₂₀O₁₁
Molecular Weight: 448.38
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Quercitrin (3-rhamnosyl quercetin) is a plant-derived flavonoid compound, displays antioxidant and anti-inflammatory activities. Quercitrin can be found in a number of food items such as garden tomato (var.), German camomile, endive, and kiwi, which makes quercitrin a potential biomarker for the consumption of these food products.
Targets(IC50)	Reactive Oxygen Species,Autophagy,S6 Kinase

Solubility Information

Solubility	DMSO: 45 mg/mL (100.36 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	2.2303 mL	11.1513 mL	22.3025 mL
5 mM	0.4461 mL	2.2303 mL	4.4605 mL
10 mM	0.223 mL	1.1151 mL	2.2303 mL
50 mM	0.0446 mL	0.223 mL	0.4461 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.

Reference

Ma JQ, et al. Food Funct. 2015 Oct 28.
Shim K S, Hwang Y H, Jang S A, et al. Water Extract of Lysimachia christinae Inhibits Trabecular Bone Loss and Fat Accumulation in Ovariectomized Mice. Nutrients. 2020, 12(7): 1927
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Liu Y, Han Y, Liu Y, et al.Xanthoceras sorbifolium leaves alleviate hyperuricemic nephropathy by inhibiting the PI3K/AKT signaling pathway to regulate uric acid transport.Journal of Ethnopharmacology.2024: 117946.

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