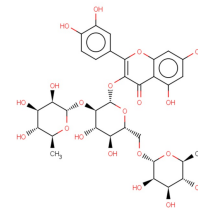


Quercetin 3-O-rutinoside-(1->2)-O-rhamnoside

Chemical Properties

CAS No.:	55696-57-6
Formula:	C ₃₃ H ₄₀ O ₂₀
Molecular Weight:	756.7
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Quercetin 3-O-rutinoside-(12)-O-rhamnoside shows α -glucosidase inhibitory activity, it has anti-diabetic potential.
Targets(IC ₅₀)	α -glucosidase: None
In vitro	Global Natural Products Social (GNPS) Molecular Networking was applied to trace the phenolic compounds in plants, which allowed the characterization of 9 procyanidins and 11 flavonoid glycosides (di-, tri-, or tetra-saccharides of kaempferol, quercetin, isorhamnetin and myricetin) in litchi pulp extracts.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.322 mL	6.608 mL	13.215 mL
5 mM	0.264 mL	1.322 mL	2.643 mL
10 mM	0.132 mL	0.661 mL	1.322 mL
50 mM	0.026 mL	0.132 mL	0.264 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Comprehensive structural characterization of phenolics in litchi pulp using tandem mass spectral molecular networking. Food Chem. 2019 Jun 1;282:9-17.

Inhibitors · Natural Compounds · Compound Libraries

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