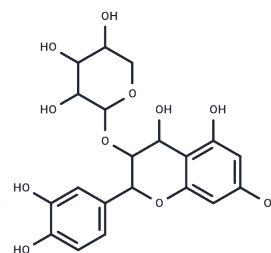


Loquatoside

Chemical Properties

CAS No. :	74046-15-4
Formula:	C ₂₀ H ₂₂ O ₁₁
Molecular Weight:	438.385
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	Loquatoside belongs to the class of organic compounds known as flavonoid-3-O-glycosides. These are phenolic compounds containing a flavonoid moiety which is O-glycosidically linked to carbohydrate moiety at the C3-position. Loquatoside exists as a solid, slightly soluble (in water), and a very weakly acidic compound (based on its pKa). Within the cell, loquatoside is primarily located in the cytoplasm. Outside of the human body, loquatoside can be found in fruits and loquat. This makes loquatoside a potential biomarker for the consumption of these food products.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2811 mL	11.4054 mL	22.8107 mL
5 mM	0.4562 mL	2.2811 mL	4.5621 mL
10 mM	0.2281 mL	1.1405 mL	2.2811 mL
50 mM	0.0456 mL	0.2281 mL	0.4562 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

Harauchi Y, Kajimoto T, Ohta E, Kawachi H, Imamura-Jinda A, Ohta S. Prenylated purine alkaloids from seeds of *Gleditsia japonica*. *Phytochemistry*. 2017 Nov;143:145-150. doi: 10.1016/j.phytochem.2017.08.006. Epub 2017 Aug 13. PubMed PMID: 28813687.

Harauchi Y, Muranaka K, Ohta E, Kawachi H, Imamura-Jinda A, Nehira T, Ômura H, Ohta S. Sulfated Purine Alkaloid Glycosides from the Pupal Case Built by the Bruchid Beetle *Bruchidius dorsalis* Inside the Seed of *Gleditsia japonica*. *Chem Biodivers*. 2018 Jun 15:e1800154. doi: 10.1002/cbdv.201800154. [Epub ahead of print] PubMed PMID: 29907997.

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