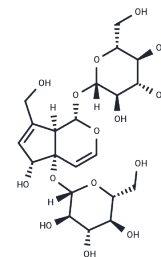


Melittoside

Chemical Properties

CAS No. :	19467-03-9
Formula:	C ₂₁ H ₃₂ O ₁₅
Molecular Weight:	524.47
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	Melittoside is a natural phenolic glycoside found in the nectar of the Melitto genus. It has antioxidant, anti-inflammatory and antifungal activities, as well as research into its potential use in the treatment of various diseases, including cancer, diabetes and cardiovascular disease.
Targets(IC50)	Antioxidant

Solubility Information

Solubility	DMSO: 50 mg/mL (95.33 mM), Sonication is recommended. H ₂ O: 10 mg/mL (19.07 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	1.9067 mL	9.5334 mL	19.0669 mL
5 mM	0.3813 mL	1.9067 mL	3.8134 mL
10 mM	0.1907 mL	0.9533 mL	1.9067 mL
50 mM	0.0381 mL	0.1907 mL	0.3813 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

- Hasan Kirmizibekmez, et al. Iridoid, phenylethanoid and flavonoid glycosides from *Sideritis trojana*. *Fitoterapia*. 2012 Jan;83(1):130-6.
- Serrilli AM, et al. Monoterpenoids from *Stachys glutinosa* L. *Nat Prod Res*. 2006 May 20;20(6):648-52.

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