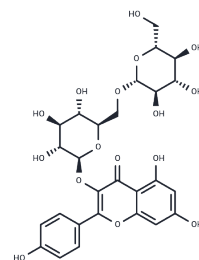


Kaempferol 3-O-gentiobioside

Chemical Properties

CAS No. :	22149-35-5
Formula:	C ₂₇ H ₃₀ O ₁₆
Molecular Weight:	610.52
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Kaempferol 3-O-gentiobioside is a flavonoid isolated from <i>C. alata</i> leaves with antidiabetic activity. It possesses activity against α -glucosidase and displays a carbohydrate enzyme inhibitory effect (IC ₅₀ : 50 μ M).
Targets(IC ₅₀)	Glucosidase

Solubility Information

Solubility	DMSO: 22.5 mg/mL (36.85 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6379 mL	8.1897 mL	16.3795 mL
5 mM	0.3276 mL	1.6379 mL	3.2759 mL
10 mM	0.1638 mL	0.819 mL	1.6379 mL
50 mM	0.0328 mL	0.1638 mL	0.3276 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

Varghese GK, et al. Antidiabetic components of *Cassia alata* leaves: identification through α -glucosidase inhibition studies. *Pharm Biol.* 2013 Mar;51(3):345-9.

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