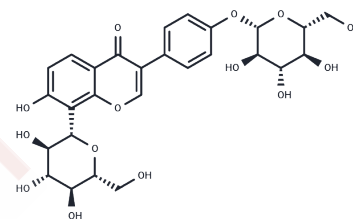


Puerarin-4'-O-β-D-glucopyranoside

Chemical Properties

CAS No. :	117047-08-2
Formula:	C ₂₇ H ₃₀ O ₁₄
Molecular Weight:	578.52
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	Puerarin-4'-O-β-D-glucopyranoside (Puerarin-4'-O-glucoside) is a natural product isolated from Pueraria lobata root, exhibiting estrogenic activity and anti-proliferative effects in MCF-7 human breast carcinoma cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (95.07 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	1.7285 mL	8.6427 mL	17.2855 mL
5 mM	0.3457 mL	1.7285 mL	3.4571 mL
10 mM	0.1729 mL	0.8643 mL	1.7285 mL
50 mM	0.0346 mL	0.1729 mL	0.3457 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

Ahn SY, et al. Dual effects of isoflavonoids from Pueraria lobata roots on estrogenic activity and anti-proliferation of MCF-7 human breast carcinoma cells. *Bioorg Chem.* 2019 Mar;83:135-144.

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