

Prunetrin

Chemical Properties

CAS No. : 154-36-9

Formula: C₂₂H₂₂O₁₀

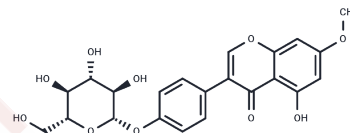
Molecular Weight: 446.4

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

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	Prunetrin (Trifoside) is a natural flavonoid that activates 5'UTR-driven α -Synuclein mRNA translation (EC ₅₀ =250 nM).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (44.8 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	2.2401 mL	11.2007 mL	22.4014 mL
5 mM	0.448 mL	2.2401 mL	4.4803 mL
10 mM	0.224 mL	1.1201 mL	2.2401 mL
50 mM	0.0448 mL	0.224 mL	0.448 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

Drenin, et al. A new isoflavone glycoside from *Trifolium pratense* L.. Russ J Bioorg Chem 37, 862-865 (2011).

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