

Procyanidin B5

Chemical Properties

CAS No. : 12798-57-1

Formula: C₃₀H₂₆O₁₂

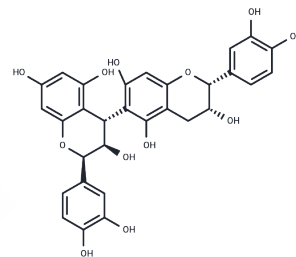
Molecular Weight: 578.52

Storage:

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

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	Procyanidin B5 is an antioxidant derived from hawthorn with antimicrobial and antitumor activity and can be used to study infections.
Targets(IC50)	Reactive Oxygen Species, ROS
In vitro	Procyanidin B5 is an antioxidant with an IC ₅₀ of 0.1 mM in the mouse liver homogenate lipid peroxidation assay. [1]

Solubility Information

Solubility	Ethanol: 4 mg/mL (6.91 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

Wang JN, et al. Antioxidant activity of polyphenols from seeds of *Vitis amurensis* in vitro. *Acta Pharmacol Sin.* 2000 Jul;21(7):633-6.

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