

Polygalic acid

Chemical Properties

CAS No. : 1260-04-4

Formula: C₂₉H₄₄O₆

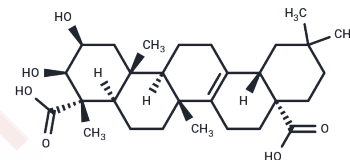
Molecular Weight: 488.66

Keep away from direct sunlight, Keep away from moisture

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	Polygalic acid (Senegenic acid), a triterpenoid saponin, is a major active ingredient in Polygala tenuifolia. Polygalic acid shows expectorant, emetic and stimulant effects.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 89 mg/mL (182.13 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (10.23 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0464 mL	10.2321 mL	20.4641 mL
5 mM	0.4093 mL	2.0464 mL	4.0928 mL
10 mM	0.2046 mL	1.0232 mL	2.0464 mL
50 mM	0.0409 mL	0.2046 mL	0.4093 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

Ling Y , Wu B , Wang K , et al. In vivo metabolism study of polygalic acid in rat using HPLC-ESI-MSn [J]. Biomedical Chromatography BMC, 2012, 26(2).

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