

Polygalic acid

Chemical Properties

CAS No. : 1260-04-4

Formula: C₂₉H₄₄O₆

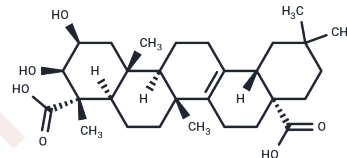
Molecular Weight: 488.66

Appearance: no data available

Storage:

keep away from direct sunlight, keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Polygalic acid (Senegenic acid), a triterpenoid saponin, is a major active ingredient in <i>Polygala tenuifolia</i> . Polygalic acid shows expectorant, emetic and stimulant effects.
Targets(IC ₅₀)	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)
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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.

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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