Polygalacic acid

Catalog No.C14227 Batch:C1422703

Product Datasheet

Technical Data

Formula	$C_{30}H_{48}O_6$					
Molecular Weight	504.70	**CAS No.**	22338-71-2			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (198.13 mM)			
		Ethanol	100 mg/mL (198.13 mM)			
		Water	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.9814 mL	9.9069 mL	19.8138 mL
5 mM	0.3963 mL	1.9814 mL	3.9628 mL
10 mM	0.1981 mL	0.9907 mL	1.9814 mL
50 mM	0.0396 mL	0.1981 mL	0.3963 mL

Biological Activity

Description	Polygalacic acid is the triterpenoid tetrahydroxyacid isolated from *Polygala paenea L.*. This compound (0-100 μM; 24 hours) significantly decreases the mRNAexpressions of **MMP-3, MMP-9, MMP-13 and COX-2**, which are significantly increased by IL-1β, in a dose-dependent manner.

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

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