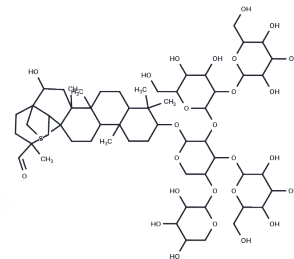


Saponins

Chemical Properties

CAS No. :	8047-15-2
Formula:	C ₅₈ H ₉₄ O ₂₇
Molecular Weight:	1223.363
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	Saponins (Sapogenins Glycosides) are a mixture of triterpene and steroid saponins isolated from medicinal plants such as <i>Aesculus hippocastanum</i> L., <i>Hedera helix</i> L. and <i>Ruscus aculeatus</i> L., which are claimed to be effective for the treatment/prevention of venous insufficiency.
Targets(IC50)	Others, Antibacterial, Antifungal
In vitro	Sapogenins glycosides are a mixture of triterpene and steroid saponins isolated from medicinal plants such as <i>Aesculus hippocastanum</i> L., <i>Hedera helix</i> L. and <i>Ruscus aculeatus</i> L., which are claimed to be effective for the treatment/prevention of venous insufficiency. Sapogenins are the aglycones, or non-saccharide, portions of the family of natural products known as saponins. They may non-competitively inhibit hyaluronidase and elastase activities. [1]

Solubility Information

Solubility	H ₂ O: 38.46 mg/mL (31.44 mM) DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8174 mL	4.0871 mL	8.1742 mL
5 mM	0.1635 mL	0.8174 mL	1.6348 mL
10 mM	0.0817 mL	0.4087 mL	0.8174 mL
50 mM	0.0163 mL	0.0817 mL	0.1635 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

Facino RM, et al. Arch Pharm (Weinheim), 1995, 328(10), 720-724.

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