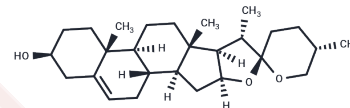


Yamogenin

Chemical Properties

CAS No. :	512-06-1
Formula:	C ₂₇ H ₄₂ O ₃
Molecular Weight:	414.62
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	Yamogenin is a diastereomer of diosgenin, which we have identified as the compound responsible for the anti-hyperlipidemic effect of fenugreek.
Targets(IC50)	Apoptosis,Others,Fatty Acid Synthase,Liver X Receptor,ROS

Solubility Information

Solubility	DMSO: 4.15 mg/mL (10.01 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4118 mL	12.0592 mL	24.1185 mL
5 mM	0.4824 mL	2.4118 mL	4.8237 mL
10 mM	0.2412 mL	1.2059 mL	2.4118 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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

Quyen L T , Khoi N H , Suong N N , et al. Steroid Alkaloids and Yamogenin from Solanum spirale1[J]. Planta Medica, 1987, 53(03):292-293.

Moriwaki S , Murakami H , Takahashi N , et al. Yamogenin in fenugreek inhibits lipid accumulation through the suppression of gene expression in fatty acid synthesis in hepatocytes[J]. Bioscience, Biotechnology, and Biochemistry, 2014, 78(7):1231-1236.

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