Data Sheet (Cat.No.T31258)

TargetMol

Deacylgymnemic acid

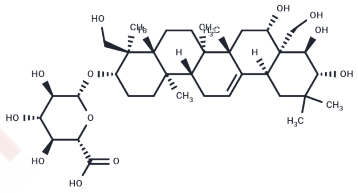
Chemical Properties

CAS No. : 121686-42-8

Formula: C36H58O12

Molecular Weight: 682.84

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	Deacylgymnemic acid is a macrocyclic compound for proteomics research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4645 mL	7.3224 mL	14.6447 mL
5 mM	0.2929 mL	1.4645 mL	2.9289 mL
10 mM	0.1464 mL	0.7322 mL	1.4645 mL
50 mM	0.0293 mL	0.1464 mL	0.2929 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

Shenoy RS, Prashanth KVH, Manonmani HK. In Vitro Antidiabetic Effects of Isolated Triterpene Glycoside Fraction from Gymnema sylvestre. Evid Based Complement Alternat Med. 2018 Aug 8;2018:7154702. doi: 10.1155/2018/7154702. eCollection 2018. PubMed PMID: 30158997; PubMed Central PMCID: PMC6106959.

Rammohan B, Samit K, Chinmoy D, Arup S, Amit K, Ratul S, Sanmoy K, Dipan A, Tuhinadri S. Human Cytochrome P450 Enzyme Modulation by Gymnema sylvestre: A Predictive Safety Evaluation by LC-MS/MS. Pharmacogn Mag. 2016 Jul;12(Suppl 4):S389-S394. PubMed PMID: 27761064; PubMed Central PMCID: PMC5068113.

Panneerselvam C, Murugan K, Roni M, Aziz AT, Suresh U, Rajaganesh R, Madhiyazhagan P, Subramaniam J, Dinesh D, Nicoletti M, Higuchi A, Alarfaj AA, Munusamy MA, Kumar S, Desneux N, Benelli G. Fern-synthesized nanoparticles in the fight against malaria: LC/MS analysis of Pteridium aquilinum leaf extract and biosynthesis of silver nanoparticles with high mosquitocidal and antiplasmodial activity. Parasitol Res. 2016 Mar;115(3):997-1013. doi: 10.1007/s00436-015-4828-x. Epub 2015 Nov 27. PubMed PMID: 26612497.

Suzuki K, Ishihara S, Uchida M, Komoda Y. [Quantitative analysis of deacylgymnemic acid by high-performance liquid chromatography]. Yakugaku Zasshi. 1993 Apr;113(4):316-20. Japanese. PubMed PMID: 8492295.