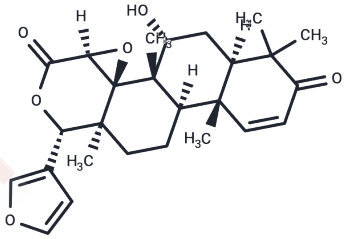
Data Sheet (Cat.No.T31243)

TargetMol

Deacetylgedunin

Chemical Properties



CAS No. : 10314-90-6

Formula: C26H32O6

Molecular Weight: 440.53

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	Deacetylgedunin is a limonoid that is the 7-deacetyl derivative of gedunin. It has been isolated from Azadirachta indica.
Targets(IC50)	Others,Reactive Oxygen Species,Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.270 mL	11.350 mL	22.6999 mL
5 mM	0.454 mL	2.270 mL	4.540 mL
10 mM	0.227 mL	1.135 mL	2.270 mL
50 mM	0.0454 mL	0.227 mL	0.454 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

Chen JY, Zhu GY, Su XH, Wang R, Liu J, Liao K, Ren R, Li T, Liu L. 7-deacetylgedunin suppresses inflammatory responses through activation of Keap1/Nrf2/HO-1 signaling. Oncotarget. 2017 Jul 5;8(33):55051-55063. doi: 10.18632/oncotarget.19017. eCollection 2017 Aug 15. PubMed PMID: 28903401; PubMed Central PMCID: PMC5589640.

Akihisa T, Nishimoto Y, Ogihara E, Matsumoto M, Zhang J, Abe M. Nitric Oxide Production-Inhibitory Activity of Limonoids from Azadirachta indica and Melia azedarach. Chem Biodivers. 2017 Jun;14(6). doi: 10.1002/cbdv.201600468. Epub 2017 May 23. PubMed PMID: 28145090.

Sarigaputi C, Sangpech N, Palaga T, Pudhom K. Suppression of inducible nitric oxide synthase pathway by 7-deacetylgedunin, a limonoid from Xylocarpus sp. Planta Med. 2015 Mar;81(4):312-9. doi: 10.1055/s-0034-1396308. Epub 2015 Feb 25. PubMed PMID: 25714725.

Pereira TB, Rocha E Silva LF, Amorim RC, Melo MR, Zacardi de Souza RC, Eberlin MN, Lima ES, Vasconcellos MC, Pohlit AM. In vitro and in vivo anti-malarial activity of limonoids isolated from the residual seed biomass from Carapa guianensis (andiroba) oil production. Malar J. 2014 Aug 13;13:317. doi: 10.1186/1475-2875-13-317. PubMed PMID: 25124944; PubMed Central PMCID: PMC4138406.