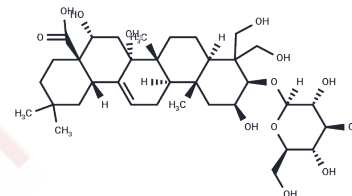


3-O-beta-D-Glucopyranosylplatycodigenin

Chemical Properties

CAS No. :	38337-25-6
Formula:	C ₃₆ H ₅₈ O ₁₂
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	3-O-beta-D-Glucopyranosylplatycodigenin is isolated from the roots of Platycodon grandiflorum.
Targets(IC50)	Others
In vitro	Two new oleanane-type triterpenoids, named platycodonoids A and B (1, 2), together with five known saponins, including platycodin D (3), deapioplatycodin D (4), 3-O-β-D-glucopyranosyl polygalacic acid (5), 3-O-beta-D-Glucopyranosylplatycodigenin (6) and polygalacin D (7), were isolated from the roots of Platycodon grandiflorum. On the basis of spectral data and chemical evidence, the structures of the new compounds were elucidated as 2β,3β,23,24-tetrahydroxy-28-nor-olean-12-en-16-one (1) and 2β,3β,23,24- tetrahydroxy-28-nor-olean-12-en-16-one-3-O-β-D-glucopyranoside (2).

Solubility Information

Solubility	DMSO: 10 mg/mL (14.64 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.46 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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

Zhan Q, et al. Two new oleanane-type triterpenoids from Platycodi Radix and anti-proliferative activity in HSC-T6 cells. *Molecules*. 2012 Dec 13;17(12):14899-907.

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