

Shanziside

Chemical Properties

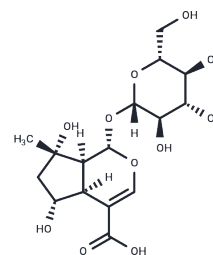
CAS No. : 29836-27-9

Formula: C₁₆H₂₄O₁₁

Molecular Weight: 392.36

Storage: Keep away from moisture, Store at low temperature
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	Shanziside (Shanzhiside) has immunosuppressive activity, it shows significant inhibition of IL-2 secretion by phorbol myristate acetate and anti-CD28 monoclonal antibody co-stimulated activation of human peripheral blood T cells.
Targets(IC50)	IL Receptor
In vitro	A new iridoid, gardaloside (1), and a new safranal-type monoterpene, jasminoside G (2), together with 10 known compounds including nine iridoids and a second safranal-type monoterpene, were isolated from the fruits of Gardenia jasminoides. The structures of 1 and 2 were established on the basis of spectroscopic evidence.

Solubility Information

Solubility	DMSO: 45 mg/mL (114.69 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 (2.55 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	2.5487 mL	12.7434 mL	25.4868 mL
5 mM	0.5097 mL	2.5487 mL	5.0974 mL
10 mM	0.2549 mL	1.2743 mL	2.5487 mL
50 mM	0.051 mL	0.2549 mL	0.5097 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

Immunosuppressive iridoids from the fruits of *Gardenia jasminoides*. *J Nat Prod.* 2005 Nov;68(11):1683-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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