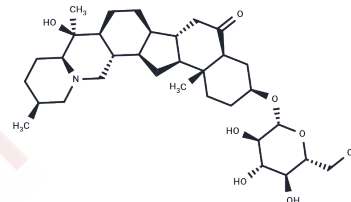


Edpetiline

Chemical Properties

CAS No. :	32685-93-1
Formula:	C ₃₃ H ₅₃ N ₀₈
Molecular Weight:	591.78
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	Edpetiline(Sipeimine-3β-D-glucoside), a principal alkaloid from <i>P. eduardi.</i> , has significant anti-inflammatory effects.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 27.5 mg/mL (46.47 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: 2 mg/mL (3.38 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	1.6898 mL	8.4491 mL	16.8982 mL
5 mM	0.338 mL	1.6898 mL	3.3796 mL
10 mM	0.169 mL	0.8449 mL	1.6898 mL
50 mM	0.0338 mL	0.169 mL	0.338 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

Shakirova, et al. Accumulation Dynamics of Alkaloids in *Petilium eduardi*. *Chemistry of Natural Compounds*, 2003, 39(6), 603-604.

Shim K S, Gu D R, Hwang Y H, et al. Water Extract of *Fritillariae thunbergii* Bulbus Inhibits RANKL-Mediated Osteoclastogenesis and Ovariectomy-Induced Trabecular Bone Loss. *Molecules*. 2022, 27(1): 169.

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