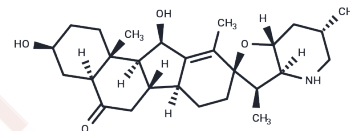


## yibeissine

## Chemical Properties

CAS No. :	143502-51-6
Formula:	C <sub>27</sub> H <sub>41</sub> N <sub>4</sub> O
Molecular Weight:	443.62
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	Yibeissine is a natural steroidal alkaloid isolated from the bulb of <i>Fritillaria pallioiflora</i> Schren.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (50.72 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 (2.25 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	2.2542 mL	11.2709 mL	22.5418 mL
5 mM	0.4508 mL	2.2542 mL	4.5084 mL
10 mM	0.2254 mL	1.1271 mL	2.2542 mL
50 mM	0.0451 mL	0.2254 mL	0.4508 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

Y J Xu, et al. Isolation and identification of yibeissine. Yao Xue Xue Bao. 1992;27(2):121-4.

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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