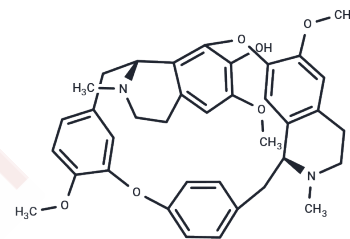


## Fangchinoline

## Chemical Properties

CAS No. :	436-77-1
Formula:	C37H40N2O6
Molecular Weight:	608.72
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	Fangchinoline (Tetrandrine B) is extracted from <i>Stephania tetrandra</i> S. Moore.
Targets(IC50)	Apoptosis,FAK,HIV Protease,Autophagy

## Solubility Information

Solubility	DMSO: 49.5 mg/mL (81.32 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 (3.29 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	1.6428 mL	8.214 mL	16.4279 mL
5 mM	0.3286 mL	1.6428 mL	3.2856 mL
10 mM	0.1643 mL	0.8214 mL	1.6428 mL
50 mM	0.0329 mL	0.1643 mL	0.3286 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

Guo B, et al. J Drug Target. 2015 Apr;23(3):266-74.

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