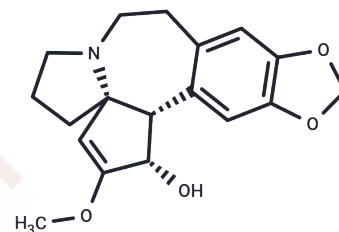


## Cephalotaxine

## Chemical Properties

CAS No. :	24316-19-6
Formula:	C <sub>18</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	315.36
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	Cephalotaxine (ZINC19795976) is an antiviral and an antitumor agent.
Targets(IC50)	Anti-infection, Antiviral, Influenza Virus

## Solubility Information

Solubility	DMSO: 47 mg/mL (149.04 mM), Sonication is recommended. Chloroform: Soluble, ( $< 1$ 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 (6.34 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	3.171 mL	15.8549 mL	31.7098 mL
5 mM	0.6342 mL	3.171 mL	6.342 mL
10 mM	0.3171 mL	1.5855 mL	3.171 mL
50 mM	0.0634 mL	0.3171 mL	0.6342 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

M A Sells, et al. J Virol. 1988 Aug; 62(8): 2836-2844.;

Wang DZ, et al. Yao Xue Xue Bao. 1992;27(3):178-84.

Efferth T, et al. Naunyn Schmiedebergs Arch Pharmacol. 2003 Jan;367(1):56-67.

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