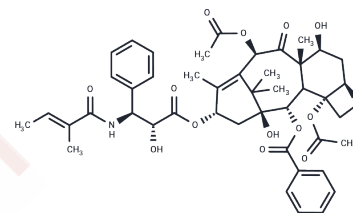


## Cephalomannine

## Chemical Properties

CAS No. :	71610-00-9
Formula:	C45H53NO14
Molecular Weight:	831.9
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Cephalomannine (Baccatin III) is a taxol derivative obtained from <i>Taxus yunnanensis</i> with antitumor activity.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase, Microtubule Associated

## Solubility Information

Solubility	DMSO: 93 mg/mL (111.79 mM), Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 93 mg/mL (111.79 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: 3.3 mg/mL (3.97 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.2021 mL	6.0103 mL	12.0207 mL
5 mM	0.2404 mL	1.2021 mL	2.4041 mL
10 mM	0.1202 mL	0.601 mL	1.2021 mL
50 mM	0.024 mL	0.1202 mL	0.2404 mL

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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

Helson L. Int J Oncol. 1993 Feb;2(2):297-9.

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