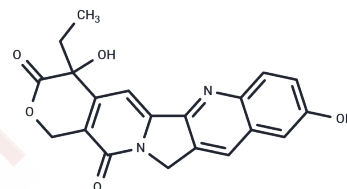


## (±)-10-Hydroxycamptothecin

## Chemical Properties

CAS No. :	64439-81-2
Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	364.35
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	(±)-10-Hydroxycamptothecin (Hydroxy Camptothecine) is an alkaloid isolated from the stem wood of the Chinese tree, <i>Camptotheca acuminata</i> . This compound selectively inhibits the nuclear enzyme DNA topoisomerase, type I. Several semisynthetic analogs of camptothecin have demonstrated antitumor activity.
Targets(IC50)	Topoisomerase

## Solubility Information

Solubility	DMSO: 27 mg/mL (74.1 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7446 mL	13.7231 mL	27.4461 mL
5 mM	0.5489 mL	2.7446 mL	5.4892 mL
10 mM	0.2745 mL	1.3723 mL	2.7446 mL
50 mM	0.0549 mL	0.2745 mL	0.5489 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.

## Reference

Zhang S, et al. *AntiY Drugs*. 2014 Jul;25(6):614-23.

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