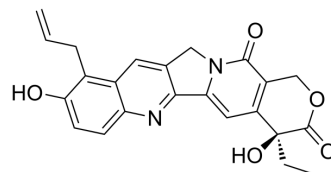


Chimmitecan

Cat. No.:	HY-114983		
CAS No.:	185425-25-6		
Molecular Formula:	C ₂₃ H ₂₀ N ₂ O ₅		
Molecular Weight:	404.42		
Target:	Topoisomerase		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (309.08 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4727 mL	12.3634 mL	24.7268 mL
	5 mM	0.4945 mL	2.4727 mL	4.9454 mL
	10 mM	0.2473 mL	1.2363 mL	2.4727 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Chimmitecan ((S)-9-Allyl-10-Hydroxycamptothecin), a novel 9-small-alkyl-substituted lipophilic Camptothecin (HY-16560), is a potent inhibitor of topoisomerase I. Chimmitecan exhibits anticancer activity^[1].

REFERENCES

[1]. Huang M, et, al. Chimmitecan, a novel 9-substituted camptothecin, with improved anticancer pharmacologic profiles in vitro and in vivo. Clin Cancer Res. 2007 Feb 15;13(4):1298-307.

Caution: Product has not been fully validated for medical applications. For research use only.

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