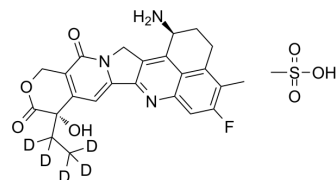


Exatecan-d₅ mesylate

Cat. No.:	HY-13631AS
CAS No.:	2819276-88-3
Molecular Formula:	C ₂₅ H ₂₁ D ₅ FN ₃ O ₇ S
Molecular Weight:	536.58
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.67 mg/mL (8.70 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8637 mL	9.3183 mL	18.6365 mL
	5 mM	0.3727 mL	1.8637 mL	3.7273 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Exatecan-d₅ (mesylate) is deuterium labeled Exatecan mesylate. Exatecan mesylate is a DNA topoisomerase I inhibitor, with an IC₅₀ of 0.975 µg/mL[1].

REFERENCES

[1]. Mitsui I, et al. A new water-soluble camptothecin derivative, DX-8951f, exhibits potent antitumor activity against human tumors in vitro and in vivo. Jpn J Cancer Res. 1995 Aug;86(8):776-82.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA