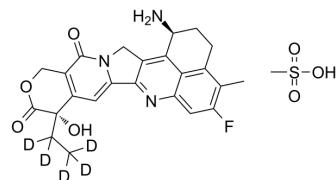


## Exatecan-d5 mesylate

<b>Cat. No.:</b>	HY-13631AS
<b>CAS No.:</b>	2819276-88-3
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>21</sub> D <sub>5</sub> FN <sub>3</sub> O <sub>7</sub> S
<b>Molecular Weight:</b>	536.58
<b>Target:</b>	Topoisomerase
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



### 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-d<sub>5</sub> (mesylate) is deuterium labeled Exatecan mesylate. Exatecan mesylate is a DNA topoisomerase I inhibitor, with an IC<sub>50</sub> 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.**

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