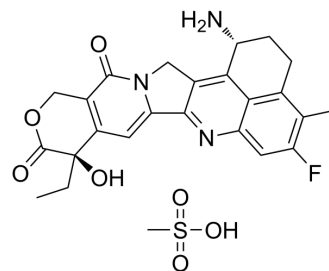


(1R,9R)-Exatecan mesylate

Cat. No.:	HY-13631J
Molecular Formula:	C ₂₅ H ₂₆ FN ₃ O ₇ S
Molecular Weight:	531.55
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	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 : 16.67 mg/mL (31.36 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8813 mL	9.4065 mL	18.8129 mL
	5 mM	0.3763 mL	1.8813 mL	3.7626 mL
	10 mM	0.1881 mL	0.9406 mL	1.8813 mL

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

BIOLOGICAL ACTIVITY

Description

(1R,9R)-Exatecan mesylate((1R,9R)-DX8951f) is an isomer of Exatecan mesylate (HY-13631A). Exatecan mesylate (DX8951f) is an inhibitor of DNA topoisomerase I with an IC₅₀ of 2.2 μM (0.975 μg/mL) and can be used in cancer research^[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