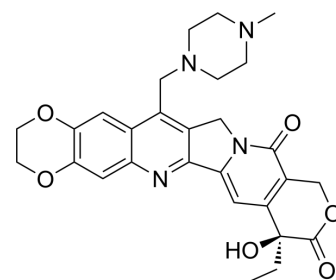


Lurtotecan

Cat. No.:	HY-13670
CAS No.:	149882-10-0
Molecular Formula:	C ₂₈ H ₃₀ N ₄ O ₆
Molecular Weight:	518.56
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.33 mg/mL (8.35 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9284 mL	9.6421 mL	19.2842 mL
5 mM	0.3857 mL	1.9284 mL	3.8568 mL
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description Lurtotecan (GI147211; OSI-211), a semisynthetic Camptothecin analog, is a topoisomerase I inhibitor. Lurtotecan has anticancer effects^[1].

IC₅₀ & Target Topoisomerase I

REFERENCES

[1]. D L Emerson, et al. In vivo antitumor activity of two new seven-substituted water-soluble camptothecin analogues. Cancer Res. 1995 Feb 1;55(3):603-9.

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

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