



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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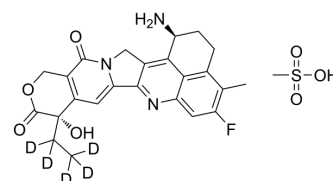
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Exatecan-d₅ mesylate

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:	ADC Cytotoxin; Topoisomerase; Isotope-Labeled Compounds
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Others
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 : 11.76 mg/mL (21.92 mM; Need ultrasonic)
H₂O : 1 mg/mL (1.86 mM; ultrasonic and warming and heat to 80°C)

	Solvent Concentration	Mass	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		0.1864 mL	0.9318 mL	1.8637 mL

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

BIOLOGICAL ACTIVITY

Description	Exatecan-d ₅ mesylate is deuterium labeled Exatecan mesylate (HY-13631A). Exatecan mesylate is a DNA topoisomerase I inhibitor, with an IC ₅₀ of 0.975 µg/mL ^[1] .
IC ₅₀ & Target	Camptothecins
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

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

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