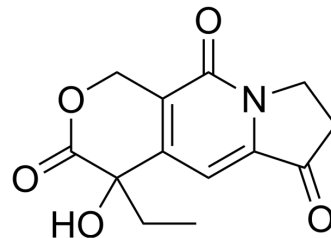


(rac)-Exatecan Intermediate 1

Cat. No.:	HY-42487A		
CAS No.:	102978-40-5		
Molecular Formula:	C ₁₃ H ₁₃ NO ₅		
Molecular Weight:	263.25		
Target:	ADC Cytotoxin; Topoisomerase		
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(rac)-Exatecan Intermediate 1 is an isomer of Exatecan Intermediate 1 (HY-42487). Exatecan Intermediate 1 (compound 6) is an intermediate of Exatecan (HY-13631), a camptothecin-based anticancer agent. Exatecan inhibits tumor growth by interfering with the proliferation and division of tumor cells by interacting with DNA. Exatecan is primarily used in research into a variety of cancers including ovarian, lung and breast cancer ^{[1][2]} .
IC₅₀ & Target	Camptothecins

REFERENCES

- [1]. Weng W, et al. Antibody-Exatecan Conjugates with a Novel Self-immolative Moiety Overcome Resistance in Colon and Lung Cancer. *Cancer Discov.* 2023 Apr 3;13(4):950-973.
- [2]. Zhang Hongwei, et al. Intermediate for synthesizing camptothecin derivatives using exatecan mesylate and its preparation method and application. China, CN111470998. 2020-07-31.

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

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