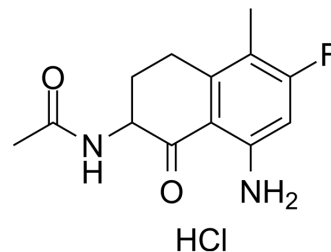


Exatecan Intermediate 2 hydrochloride

Cat. No.:	HY-W021377A
CAS No.:	2437603-23-9
Molecular Formula:	C ₁₃ H ₁₆ ClFN ₂ O ₂
Molecular Weight:	286.73
Target:	ADC Cytotoxin; Topoisomerase
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (43.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4876 mL	17.4380 mL	34.8760 mL
	5 mM	0.6975 mL	3.4876 mL	6.9752 mL
	10 mM	0.3488 mL	1.7438 mL	3.4876 mL

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

BIOLOGICAL ACTIVITY

Description

Exatecan Intermediate 2 hydrochloride (compound B) is an intermediate of Exatecan (DX-8951, HY-13631). Exatecan is an anticancer agent belonging to the class of camptothecin analogs. Exatecan interferes with the proliferation and division of tumor cells by interacting with DNA, thereby inhibiting tumor growth. Exatecan is primarily used for research of a variety of cancers including ovarian, lung and breast cancers^{[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]. Lv Xianyu, et al. Preparation of camptothecin derivative intermediate. *China*, CN115197088. 2022-10-18.

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