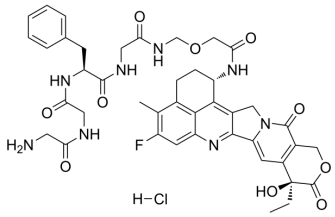
Gly-Gly-Phe-Gly-NH-O-CO-Exatecan hydrochloride

Cat. No.:	HY-13631F
Molecular Formula:	$C_{42}H_{46}ClFN_8O_{10}$
Molecular Weight:	877.31
Target:	Drug-Linker Conjugates for ADC; Topoisomerase
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.85 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.85 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.85 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	Gly-Gly-Phe-Gly-NH-O-CO-Exatecan, as a drug-linker conjugate composed of linker Gly-Gly-Phe-Gly-NH-O-CO and Exatecan, can be used to prepare antibody conjugate drugs. Exatecan is a DNA topoisomerase I inhibitor that can be used in cancer research[1][2].
IC_{50} & Target	Camptothecins

REFERENCES

[1]. Joto N, et al. DX-8951f, a water-soluble camptothecin analog, exhibits potent antitumor activity against a human lung cancer cell line and its SN-38-resistant variant. Int J Cancer. 1997;72(4):680-686.

[2]. Thomas A, et al. Antibody-drug conjugates for cancer therapy. Lancet Oncol. 2016;17(6):e254-e262.

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