

MC-GGFG-DX8951

Chemical Properties

CAS No. : 1600418-29-8

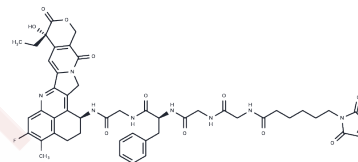
Formula: C49H51FN8O11

Molecular Weight: 946.98

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	MC-GGFG-DX8951 (MC-GGFG-Exatecan) is an antibody-coupled drug (ADC) drug-linker conjugate (DLC) consisting of DX8951, a potent DNA topoisomerase I inhibitor, the linker MC, and the cleavable peptide chain GGFG, and has antitumor potential.
Targets(IC50)	Drug-Linker Conjugates for ADC, PROTAC-Linker Conjugates for PAC, Topoisomerase
In vitro	MC-GGFG-DX8951 is linked to an antibody through a protease-cleavable MC-GGFG linker for targeted delivery.
In vivo	MC-GGFG-DX8951 has properties such as stability in blood circulation, specific release in tumor tissue, and minimal toxicity to normal tissues [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (42.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.056 mL	5.2799 mL	10.5599 mL
5 mM	0.2112 mL	1.056 mL	2.112 mL
10 mM	0.1056 mL	0.528 mL	1.056 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nakada T, et al. Novel antibody drug conjugates containing exatecan derivative-based cytotoxic payloads. *Bioorg Med Chem Lett*. 2016 Mar 15; 26(6): 1542-1545.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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