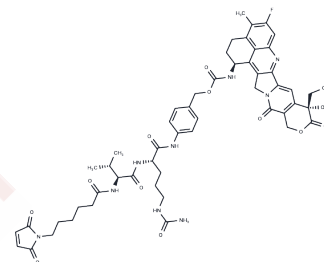


MC-Val-Cit-PAB-Exatecan

Chemical Properties

CAS No. :	2504068-28-2
Formula:	C53H60FN9O12
Molecular Weight:	1034.09
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-Val-Cit-PAB-Exatecan (MC-Val-Cit-PAB-DX8951) consists of a cytotoxin, the topoisomerase I inhibitor DX-8951, and a linker sensitive to cathepsin, forming a drug-linker conjugate for antibody-drug conjugates (ADCs).
Targets(IC50)	Drug-Linker Conjugates for ADC, Topoisomerase
In vitro	ADC consists of an antibody to which the cytotoxic agent is attached via a linker [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (77.36 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1 mg/mL (0.97 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.967 mL	4.8352 mL	9.6703 mL
5 mM	0.1934 mL	0.967 mL	1.9341 mL
10 mM	0.0967 mL	0.4835 mL	0.967 mL
50 mM	0.0193 mL	0.0967 mL	0.1934 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

Anish Thomas, et al. Antibody-drug conjugates for cancer therapy. *Lancet Oncol.* 2016 Jun;17(6):e254-e262.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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