

CL2A-SN-38

## Chemical Properties

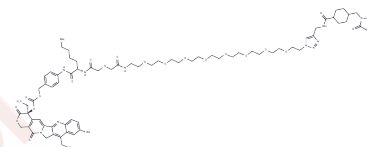
CAS No. : 1279680-68-0

Formula: C73H97N11O22

Molecular Weight: 1480.61

Storage: Store at low temperature, Store under nitrogen  
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	CL2A-SN-38 consists of a CL2A linker and an anticancer compound, SN-38, which delivers active molecules within tumor cells and in the tumor microenvironment, often in conjunction with antibodies to make biologically active antibody-coupled reactive molecules (ADCs).
Targets(IC50)	Drug-Linker Conjugates for ADC

## Solubility Information

Solubility	DMSO: 80 mg/mL (54.03 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: 3.3 mg/mL (2.23 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.6754 mL	3.377 mL	6.754 mL
5 mM	0.1351 mL	0.6754 mL	1.3508 mL
10 mM	0.0675 mL	0.3377 mL	0.6754 mL
50 mM	0.0135 mL	0.0675 mL	0.1351 mL

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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

Cardillo TM, et al. Humanized anti-Trop-2 IgG-SN-38 conjugate for effective treatment of diverse epithelial cancers: preclinical studies in human cancer xenograft models and monkeys. Clin Cancer Res. 2011 May 15;17(10): 3157-69.

Thomas M Cardillo, et al. Humanized anti-Trop-2 IgG-SN-38 conjugate for effective treatment of diverse epithelial cancers: preclinical studies in human cancer xenograft models and monkeys. Clin Cancer Res. 2011 May 15;17(10): 3157-69.

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