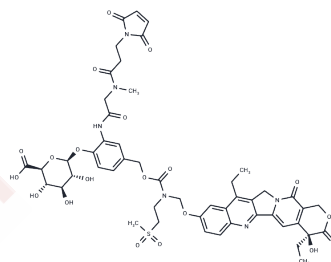


MAC glucuronide phenol-linked SN-38

Chemical Properties

CAS No. :	2246380-69-6
Formula:	C ₅₀ H ₅₄ N ₆ O ₂₀ S
Molecular Weight:	1091.06
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	MAC glucuronide phenol-linked SN-38, a pH-sensitive lactone and DNA topoisomerase I inhibitor drug linker, exhibits cytotoxicity in L540cy and Ramos cells, with IC ₅₀ values of 113 ng/mL and 67 ng/mL, respectively[1].
Targets(IC ₅₀)	Drug-Linker Conjugates for ADC,PROTAC Linker

Solubility Information

Solubility	DMSO: 200 mg/mL (183.31 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: 5 mg/mL (4.58 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	0.9165 mL	4.5827 mL	9.1654 mL
5 mM	0.1833 mL	0.9165 mL	1.8331 mL
10 mM	0.0917 mL	0.4583 mL	0.9165 mL
50 mM	0.0183 mL	0.0917 mL	0.1833 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

Lau UY, et al. Lactone Stabilization is Not a Necessary Feature for Antibody Conjugates of Camptothecins. Mol Pharm. 2018 Sep 4;15(9):4063-4072.

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