

MC-SN38

Chemical Properties

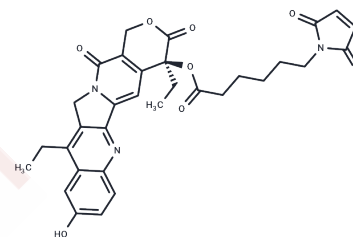
CAS No. : 1473403-87-0

Formula: C32H31N3O8

Molecular Weight: 585.60

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-SN38 is a drug-linker conjugate that pairs the potent microtubule-disrupting agent SN38 with a non-cleavable MC linker, designed for use in antibody drug conjugates (ADCs). SN38, the active metabolite of the Topoisomerase I inhibitor Irinotecan, works by inhibiting DNA synthesis and inducing DNA single-strand breaks.
Targets(IC50)	Drug-Linker Conjugates for ADC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7077 mL	8.5383 mL	17.0765 mL
5 mM	0.3415 mL	1.7077 mL	3.4153 mL
10 mM	0.1708 mL	0.8538 mL	1.7077 mL
50 mM	0.0342 mL	0.1708 mL	0.3415 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

Jensen NF, et al. Characterization of DNA topoisomerase I in three SN-38 resistant human colon cancer cell lines reveals a new pair of resistance-associated mutations. J Exp Clin Cancer Res. 2016 Mar 31;35:56.

Kawato Y, et al. Intracellular roles of SN-38, a metabolite of the camptothecin derivative CPT-11, in the antitumor effect of CPT-11. Cancer Res. 1991;51(16):4187-4191.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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