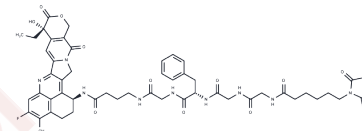


MC-Gly-Gly-Phe-Gly-GABA-Exatecan

Chemical Properties

CAS No. :	1599439-52-7
Formula:	C ₅₃ H ₅₈ FN ₉ O ₁₂
Molecular Weight:	1032.08
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-Gly-Gly-Phe-Gly-GABA-Exatecan, functioning both as an ADC linker agent and a topoisomerase inhibitor (Exatecan), displays cytotoxic and antitumor properties in vitro and in vivo [1] [2]. It specifically targets various antibodies and boasts an IC ₅₀ of 22 μM.
Targets(IC ₅₀)	Drug-Linker Conjugates for ADC, Topoisomerase
In vitro	MC-Gly-Gly-Phe-Gly-GABA-Exatecan (0-10 μM) exhibits cytotoxicity by targeting antibodies CD30, CD33, CD70, and B7-H3 in the cell lines SR (CD30 positive), HL60 (CD33 positive), U251 (CD70 positive), and Calu-6 (B7-H3 positive) [2]. Cell Viability Assay [2] was conducted using SR, HL60, U251, and Calu-6 with a concentration range of 0-10 μM over 6 days, resulting in reduced cell viability.
In vivo	The compound MC-Gly-Gly-Phe-Gly-GABA-Exatecan, administered intravenously at 10 mg/kg once weekly for two weeks, demonstrates antitumor activity in A375 xenograft mice, resulting in inhibited tumor growth and induced tumor regression [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9689 mL	4.8446 mL	9.6892 mL
5 mM	0.1938 mL	0.9689 mL	1.9378 mL
10 mM	0.0969 mL	0.4845 mL	0.9689 mL
50 mM	0.0194 mL	0.0969 mL	0.1938 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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