

Gly-Gly-Gly-PEG4-methyltetrazine

Chemical Properties

CAS No. : 2353409-82-0

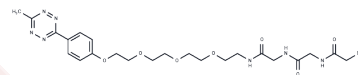
Formula: C₂₃H₃₄N₈O₇

Molecular Weight: 534.57

Store at low temperature

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	Gly-Gly-Gly-PEG4-methyltetrazine is a cleavable four-unit PEG-based antibody–drug conjugate (ADC) linker that is specifically engineered to facilitate efficient conjugation and controlled payload release. Gly-Gly-Gly-PEG4-methyltetrazine is widely utilized in the synthesis and optimization of ADCs, enabling precise bioconjugation, improved pharmacokinetic performance, and enhanced therapeutic index in targeted drug delivery research.
Targets(IC50)	ADC Linker, PROTAC Linker
In vitro	ADCs consist of an antibody conjugated to an ADC cytotoxin via an ADC linker[1].

Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8707 mL	9.3533 mL	18.7066 mL
5 mM	0.3741 mL	1.8707 mL	3.7413 mL
10 mM	0.1871 mL	0.9353 mL	1.8707 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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