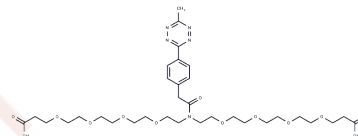


Methyltetrazine-amido-N-bis(PEG4-acid)

Chemical Properties

CAS No. : 2639395-39-2
 Formula: C33H51N5O13
 Molecular Weight: 725.78
 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	Methyltetrazine-amido-N-bis(PEG4-acid) is a click chemistry reagent featuring a tetrazine group, capable of undergoing inverse electron demand Diels-Alder (IEDDA) reactions with molecules containing TCO groups. This PEGylated derivative possesses a methyltetrazine moiety and two acidic groups. It forms stable covalent bonds with TCO-bearing compounds through a rapid and selective Diels-Alder cycloaddition, without the need for Cu catalysis or high temperatures. Additionally, its terminal carboxylic acids can react with primary amines in the presence of activators (such as EDC or HATU) to form stable amide bonds. The PEG linkage enhances the compounds water solubility. This reagent is for research use only.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3778 mL	6.8891 mL	13.7783 mL
5 mM	0.2756 mL	1.3778 mL	2.7557 mL
10 mM	0.1378 mL	0.6889 mL	1.3778 mL
50 mM	0.0276 mL	0.1378 mL	0.2756 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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