

## (2-pyridyldithio)-PEG4 acid

## Chemical Properties

CAS No. : 581065-93-2

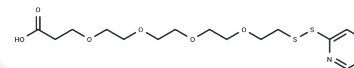
Formula: C16H25NO6S2

Molecular Weight: 391.5

Keep away from direct sunlight

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	(2-Pyridyldithio)-PEG4 acid is a four-unit cleavable polyethylene glycol (PEG) linker specifically designed for the synthesis of antibody-drug conjugates (ADCs)[1]. It serves as a crucial component in the conjugation of antibodies and drugs, enabling targeted drug delivery and enhanced therapeutic efficacy. This linker possesses a (2-pyridyldithio) group at one end, facilitating the attachment of the linker to the specific site on the antibody molecule. The PEG4 chain provides the necessary flexibility and biocompatibility for optimal drug release while maintaining stability throughout the circulation in the body. Ultimately, (2-Pyridyldithio)-PEG4 acid is instrumental in the development and advancement of ADCs, a promising approach in cancer therapy.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	Antibody-drug conjugates (ADCs) consist of an antibody linked to an ADC cytotoxin via an ADC linker[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5543 mL	12.7714 mL	25.5428 mL
5 mM	0.5109 mL	2.5543 mL	5.1086 mL
10 mM	0.2554 mL	1.2771 mL	2.5543 mL
50 mM	0.0511 mL	0.2554 mL	0.5109 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.

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