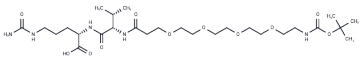
Data Sheet (Cat.No.TYD-01998)

TargetMol

t-Boc-N-amido-PEG4-Val-Cit

Chemical Properties



CAS No. : 2231240-82-5

Formula: C27H51N5O11

Molecular Weight: 621.721

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	t-Boc-N-amido-PEG4-Val-Cit is a protease-cleavable ADC linker, featuring a Boc-protected amine, a hydrophilic PEG spacer, and a Val-Cit dipeptide. The Val-Cit dipeptide is susceptible to cleavage by cellular proteases and contains a free carboxylic acid that can couple with amines to form amides. The Boc group can be removed under acidic conditions to reveal a free primary amine, which is useful for various reactions, such as conjugation or reductive amination.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6084 mL	8.0422 mL	16.0844 mL
5 mM	0.3217 mL	1.6084 mL	3.2169 mL
10 mM	0.1608 mL	0.8042 mL	1.6084 mL
50 mM	0.0322 mL	0.1608 mL	0.3217 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481