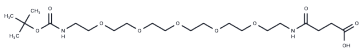
Data Sheet (Cat.No.TYD-01970)

TargetMol

Carboxy-Amido-PEG5-N-Boc

Chemical Properties



CAS No. : 1415145-86-6

Formula: C21H40N2O10

Molecular Weight: 480.55

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	Carboxy-Amido-PEG5-N-Boc is a PEG linker containing terminal carboxylic acid and Boc-protected amino groups. The hydrophilic PEG spacer enhances solubility in aqueous media. The terminal carboxylic acid can react with primary amine groups in the presence of activators (e.g., EDC, HATU) to form stable amide bonds. The Boc group can be deprotected under mild acidic conditions to yield a free amine.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0809 mL	10.4047 mL	20.8095 mL
5 mM	0.4162 mL	2.0809 mL	4.1619 mL
10 mM	0.2081 mL	1.0405 mL	2.0809 mL
50 mM	0.0416 mL	0.2081 mL	0.4162 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.

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