

t-Butoxycarbonyl-PEG2-NHS ester

Chemical Properties

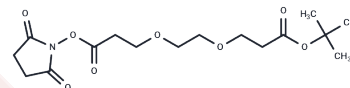
CAS No. : 2411681-93-9

Formula: C₁₆H₂₅N₁O₈

Molecular Weight: 359.372

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-Butoxycarbonyl-PEG2-NHS ester features a t-Boc protecting group along with an NHS ester segment. The tert-butyl group can be deprotected under acidic conditions. The NHS ester reacts specifically and efficiently with primary amines, such as lysine residue side chains or amino-silane coated surfaces, under neutral or weakly basic conditions, forming covalent bonds. The hydrophilic PEG linker enhances the compound's solubility in aqueous media.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7826 mL	13.9132 mL	27.8265 mL
5 mM	0.5565 mL	2.7826 mL	5.5653 mL
10 mM	0.2783 mL	1.3913 mL	2.7826 mL
50 mM	0.0557 mL	0.2783 mL	0.5565 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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