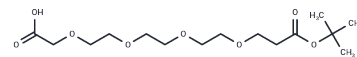


t-Butyl ester-PEG4-CH₂COOH

Chemical Properties

CAS No. :	929087-83-2
Formula:	C ₁₅ H ₂₈ O ₈
Molecular Weight:	336.378
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-Butyl ester-PEG4-CH ₂ COOH is a PEG linker characterized by the presence of a tert-butyl group and a terminal carboxylic acid. The terminal carboxylic acid can react with primary amine groups in the presence of an activator (e.g., HATU) to form a stable amide bond. The hydrophilic PEG spacer improves solubility in aqueous media. The tert-butyl group can be deprotected under acidic conditions.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9728 mL	14.8641 mL	29.7283 mL
5 mM	0.5946 mL	2.9728 mL	5.9457 mL
10 mM	0.2973 mL	1.4864 mL	2.9728 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 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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