

Hydroxy-PEG4-acid sodium

Chemical Properties

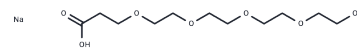
CAS No. : 2468714-92-1

Formula: C₁₁H₂₂NaO₇

Molecular Weight: 289.278

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

Hydroxy-PEG4-acid sodium is a PEG linker featuring both a hydroxyl group and a terminal carboxylic acid (in its sodium salt form). The free acid form is unstable due to the reaction between OH and PEG-COOH groups, resulting in polymer formation. However, the sodium salt form remains stable during storage and transport. The terminal carboxylic acid can react with primary amine groups in the presence of activators such as EDC or HATU to form stable amide bonds. The hydrophilic PEG spacer enhances solubility in aqueous media. The hydroxyl group can be further derivatized or substituted with other reactive functional groups.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4569 mL	17.2843 mL	34.5686 mL
5 mM	0.6914 mL	3.4569 mL	6.9137 mL
10 mM	0.3457 mL	1.7284 mL	3.4569 mL
50 mM	0.0691 mL	0.3457 mL	0.6914 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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