

Hydroxy-PEG1-acid sodium salt

Chemical Properties

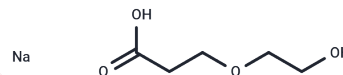
CAS No. : 2855229-28-4

Formula: C₅H₁₀NaO₄

Molecular Weight: 157.12

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-PEG1-acid sodium is a PEG linker containing both a hydroxyl group and a terminal carboxylic acid (in sodium salt form). The free acid form is unstable because the OH group reacts with PEG-COOH to form polymers. The sodium salt version remains stable during storage and transport. The hydrophilic PEG spacer enhances solubility in aqueous media. The hydroxyl group can be further derivatized or replaced by other reactive functional groups.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3646 mL	31.8228 mL	63.6456 mL
5 mM	1.2729 mL	6.3646 mL	12.7291 mL
10 mM	0.6365 mL	3.1823 mL	6.3646 mL
50 mM	0.1273 mL	0.6365 mL	1.2729 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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