

Aminoxy-PEG2-amine hydrochloride

Chemical Properties

CAS No. : 2582757-03-5

Formula: C₆H₁₇ClN₂O₃

Molecular Weight: 200.664

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	Aminoxy-PEG2-amine hydrochloride (compound L3) is a crosslinking agent. The aminoxy group facilitates bioconjugation, reacting with aldehydes to form oxime bonds, and in the presence of a reducing agent, forming hydroxylamine bonds. The amine group can react with carboxylic acids, activated NHS esters, and carbonyls (ketones, aldehydes). Aminoxy compounds possess high reactivity and sensitivity; thus, they are unsuitable for long-term storage.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9836 mL	24.9178 mL	49.8355 mL
5 mM	0.9967 mL	4.9836 mL	9.9671 mL
10 mM	0.4984 mL	2.4918 mL	4.9836 mL
50 mM	0.0997 mL	0.4984 mL	0.9967 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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