

## Mal-PEG5-amine

## Chemical Properties

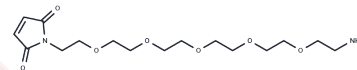
CAS No. : 2170654-73-4

Formula: C16H28N2O7

Molecular Weight: 360.403

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

Mal-PEG5-amine is a PEG linker that contains a maleimide group and an amine group. The hydrophilic PEG spacer enhances its solubility in aqueous media. The amine group can react with carboxylic acids, activated NHS esters, and carbonyl groups (ketones, aldehydes), while the maleimide group can form covalent bonds with thiol groups, allowing biomolecules to connect via thiol linkage.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7747 mL	13.8735 mL	27.7469 mL
5 mM	0.5549 mL	2.7747 mL	5.5494 mL
10 mM	0.2775 mL	1.3873 mL	2.7747 mL
50 mM	0.0555 mL	0.2775 mL	0.5549 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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