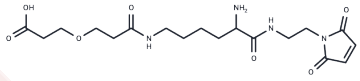
Data Sheet (Cat.No.TYD-02021)

TargetMol

N-(PEG1-acid)-L-Lysine-amido-Mal

Chemical Properties



CAS No. : 2698339-21-6

Formula: C18H28N4O7

Molecular Weight: 412.438

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	N-(PEG1-acid)-L-Lysine-amido-Mal is a PEG-based linker featuring terminal maleimide and carboxylic acid groups. The hydrophilic PEG spacer enhances solubility in aqueous media. The maleimide group covalently reacts with thiol groups, facilitating biomolecule-thiol conjugation. The terminal carboxylic acid can form a stable amide bond with primary amines in the presence of activators (e.g., EDC or HATU).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4246 mL	12.123 mL	24.246 mL
5 mM	0.4849 mL	2.4246 mL	4.8492 mL
10 mM	0.2425 mL	1.2123 mL	2.4246 mL
50 mM	0.0485 mL	0.2425 mL	0.4849 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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