

## Tos-PEG6-acid

## Chemical Properties

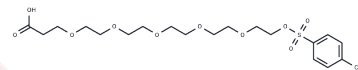
CAS No. : 2803338-37-4

Formula: C<sub>20</sub>H<sub>32</sub>O<sub>10</sub>S

Molecular Weight: 464.527

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

Tos-PEG6-acid is a compound featuring both a tosyl (p-toluenesulfonyl) group and a terminal carboxylic acid group within a PEG linker. The hydrophilic PEG spacer enhances solubility in aqueous environments. The tosyl group serves as an excellent leaving group in nucleophilic substitution reactions. Additionally, the terminal carboxylic acid can react with primary amine groups to form stable amide bonds in the presence of activators such as HATU.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1527 mL	10.7636 mL	21.5271 mL
5 mM	0.4305 mL	2.1527 mL	4.3054 mL
10 mM	0.2153 mL	1.0764 mL	2.1527 mL
50 mM	0.0431 mL	0.2153 mL	0.4305 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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