

TCO-PEG4-TFP ester

Chemical Properties

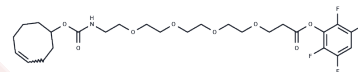
CAS No. : 2268817-73-6

Formula: C₂₆H₃₅F₄N₈O₈

Molecular Weight: 565.552

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

TCO-PEG4-TFP ester is an amine-reactive labeling reagent used for the modification of proteins, antibodies, and other amine-containing biopolymers. TFP is a reactive ester that demonstrates superior stability during hydrolysis in aqueous media, enhancing the efficiency and reproducibility of biopolymer labeling. The TFP ester of carboxylic acid reacts with primary amines at a rate equivalent to NHS esters, forming a covalent amide bond identical to that produced by the reaction of primary amines with NHS or sulfo-NHS esters.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7682 mL	8.841 mL	17.6819 mL
5 mM	0.3536 mL	1.7682 mL	3.5364 mL
10 mM	0.1768 mL	0.8841 mL	1.7682 mL
50 mM	0.0354 mL	0.1768 mL	0.3536 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481