

BP Fluor 488 TCO

Chemical Properties

CAS No. : 2766559-05-9

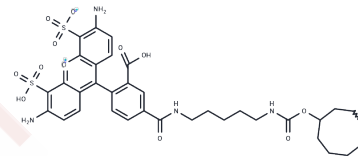
Formula: C₃₅H₃₈N₄O₁₂S₂

Molecular Weight: 770.826

Keep away from direct sunlight

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	BP Fluor 488 TCO reacts with tetrazine to form a stable covalent bond through what is known as an inverse electron-demand Diels-Alder cycloaddition. This reaction is exceptionally rapid ($k > 800 \text{ M}^{-1} \text{ s}^{-1}$), highly selective, and biocompatible, requiring neither Cu catalysts nor elevated temperatures. No other bioorthogonal reaction pair described to date matches this outstanding rate constant.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2973 mL	6.4865 mL	12.973 mL
5 mM	0.2595 mL	1.2973 mL	2.5946 mL
10 mM	0.1297 mL	0.6487 mL	1.2973 mL
50 mM	0.0259 mL	0.1297 mL	0.2595 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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