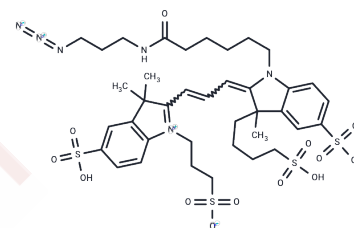


BP Fluor 555 azide

Chemical Properties

CAS No. :	2770422-53-0
Formula:	C38H52N6O13S4
Molecular Weight:	929.112
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BP Fluor 555 azide is a water-soluble, bright orange fluorescent dye with an excitation wavelength ideal for 532 nm or 555 nm laser lines and can be visualized using TRITC (tetramethylrhodamine) filter sets. The dye's conjugates with antibodies, peptides, and proteins exhibit stability across a pH range of 4 to 10. AF 555 conjugates are notably effective for detecting low-abundance targets. BP Fluor 555 azide reacts with terminal alkynes via copper-catalyzed click reactions (CuAAC) and can also undergo copper-free 'click chemistry' with strained cyclooctynes, forming stable triazoles without the need for copper catalysts or high temperatures. The dye's brightness and photostability make it especially suitable for direct imaging of low-abundance targets.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0763 mL	5.3815 mL	10.763 mL
5 mM	0.2153 mL	1.0763 mL	2.1526 mL
10 mM	0.1076 mL	0.5381 mL	1.0763 mL
50 mM	0.0215 mL	0.1076 mL	0.2153 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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