

BP Fluor 405 NHS ester

Chemical Properties

CAS No. : 2131079-93-9

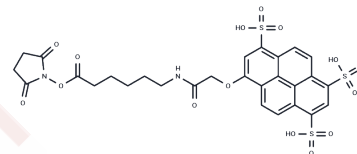
Formula: C₂₈H₂₆N₂O₁₅S₃

Molecular Weight: 726.705

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 405 NHS Ester is a water-soluble blue fluorescent dye commonly utilized in multicolor applications, such as flow cytometry and super-resolution microscopy using STORM. It is optimally excited by the 407 nm spectral line of krypton lasers or 408 nm violet laser diodes. The binding compounds of BP Fluor 405 are pH insensitive from pH 4 to pH 10. NHS esters (or succinimidyl esters) are highly preferred amine-reactive groups for labeling primary amines in proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. Proteins can be labeled with BP Fluor 405 NHS Ester at high molar ratios without significant self-quenching, resulting in brighter conjugates and more sensitive detection. Additionally, BP Fluor 405 conjugates can be employed for detecting abundant targets.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3761 mL	6.8803 mL	13.7606 mL
5 mM	0.2752 mL	1.3761 mL	2.7521 mL
10 mM	0.1376 mL	0.688 mL	1.3761 mL
50 mM	0.0275 mL	0.1376 mL	0.2752 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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