

BP Fluor 405 acid

Chemical Properties

CAS No. : 1638784-10-7

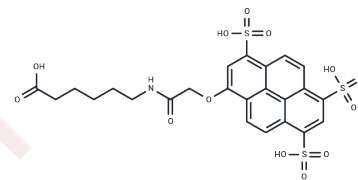
Formula: C₂₄H₂₃NO₁₃S₃

Molecular Weight: 629.633

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 acid is a water-soluble blue fluorescent dye frequently utilized in multicolor applications, such as flow cytometry and super-resolution microscopy with STORM. It is optimally excited by either the 407 nm spectral line of a krypton laser or a 408 nm violet laser diode. This compound is pH insensitive across the range of pH 4 to pH 10. The carboxylic acid form of BP Fluor 405 serves as an ideal reagent for synthesizing custom active esters not typically available commercially, such as sulfo-NHS, TFP (2,3,5,6-tetrafluorophenol), and STP (4-sulfo-2,3,5,6-tetrafluorophenol, sodium salt). Another prevalent use of non-activated carboxylic acids is in peptide modification during solid-phase synthesis, often requiring in situ activation with peptide coupling reagents like HATU. Additionally, BP Fluor 405 acid is commonly used for control experiments and calibration.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5882 mL	7.9412 mL	15.8823 mL
5 mM	0.3176 mL	1.5882 mL	3.1765 mL
10 mM	0.1588 mL	0.7941 mL	1.5882 mL
50 mM	0.0318 mL	0.1588 mL	0.3176 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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