Data Sheet (Cat.No.T206110)

TargetMol

BP Fluor 594 NHS ester

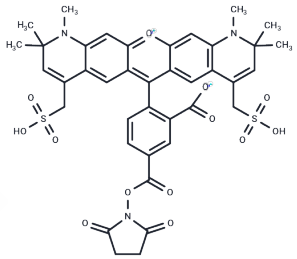
Chemical Properties

CAS No. : 1638544-48-5

Formula: C39H37N3O13S2

Molecular Weight: 819.853

Storage: Keep away from direct sunlight
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 594 NHS ester is a widely used tool for modifying proteins or antibodies through the labeling of primary amines (Lys), amine-modified oligonucleotides, and other amine-containing biomolecules. The labeling process is optimal at pH 7-9, forming stable covalent amide bonds. BP Fluor 594 dye supports high molar ratio protein labeling with negligible self-quenching, resulting in brighter conjugates and more sensitive detection. BP Fluor 594 is a bright, water-soluble, pH-insensitive red fluorescent dye effective across a pH range of 4 to 10, with absorption and emission peaks at 590 and 617 nm, respectively. It is compatible with 561 nm and 594 nm laser lines. BP Fluor 594 can bind to various antibodies, peptides, proteins, tracers, and amplification substrates, and it is commonly used to generate stable signals in imaging and flow cytometry.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2197 mL	6.0987 mL	12.1974 mL
5 mM	0.2439 mL	1.2197 mL	2.4395 mL
10 mM	0.122 mL	0.6099 mL	1.2197 mL
50 mM	0.0244 mL	0.122 mL	0.2439 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

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481