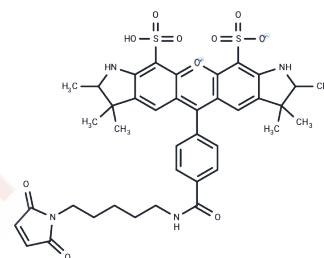


BP Fluor 532 maleimide

Chemical Properties

CAS No. :	890928-51-5
Formula:	C39H42N4O10S2
Molecular Weight:	790.902
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 532 maleimide is a photostable, bright yellow fluorescent dye that is not sensitive to pH, emitting light across a range of pH 4 to pH 10. Its excitation is well-suited for second harmonic Nd:YAG laser lines. BP Fluor 532 can bind with various antibodies, peptides, proteins, tracers, and amplification substrates and is commonly used in imaging and flow cytometry to produce stable signals. Maleimide is the most frequently employed thiol-reactive group for linking dyes to thiol groups on proteins, oligonucleotide phosphorothioates, or low-molecular-weight ligands. It reacts with reduced thiols (sulfhydryl, -SH) specifically and efficiently at pH 6.5 to 7.5, forming stable thioether bonds. The resulting conjugates exhibit brighter fluorescence and greater photostability than those of many other spectrally similar fluorophores.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2644 mL	6.3219 mL	12.6438 mL
5 mM	0.2529 mL	1.2644 mL	2.5288 mL
10 mM	0.1264 mL	0.6322 mL	1.2644 mL
50 mM	0.0253 mL	0.1264 mL	0.2529 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

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