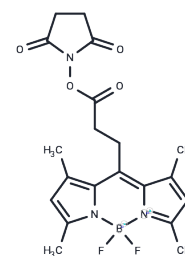


BODIPY 493/503 NHS ester

Chemical Properties

CAS No. :	216961-98-7
Formula:	C ₂₀ H ₂₂ BF ₂ N ₃ O ₄
Molecular Weight:	417.21
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	BODIPY 493/503 NHS ester is a widely used reagent for conjugating this dye to proteins or antibodies. The NHS ester reacts with primary amines (R-NH ₂) of proteins, amine-modified oligonucleotides, and other amine-containing molecules. The resulting BODIPY 493/503 conjugates exhibit bright fluorescence, narrow emission bandwidth, and relatively long excited-state lifetimes, which are suitable for fluorescence polarization assays and two-photon excitation (TPE) microscopy. Ex/Em(nm) = 496/508.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3969 mL	11.9844 mL	23.9687 mL
5 mM	0.4794 mL	2.3969 mL	4.7937 mL
10 mM	0.2397 mL	1.1984 mL	2.3969 mL
50 mM	0.0479 mL	0.2397 mL	0.4794 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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