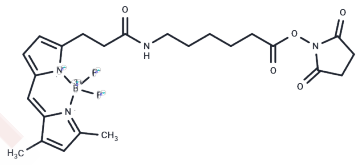
Data Sheet (Cat.No.T39656)

TargetMol

BDY FL-X, SE

Chemical Properties



CAS No. : 217190-09-5

Formula: C24H29BF2N4O5

Molecular Weight: 502.33

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	BODIPY FL-X,SE, a green fluorescent dye designed for amine labeling, exhibits a high fluorescence quantum yield with minimal sensitivity to pH variations. It serves as a viable alternative to FAM, Cy2, or FITC. The dye's absorption and emission wavelengths are 504 nm (λ abs) and 510 nm (λ em), respectively.
Targets(IC50)	Others
In vitro	BODIPY FL-X succinimidyl ester dye stock solutions are initially formulated in DMSO. Subsequently, these solutions are diluted using a 0.1 M sodium bicarbonate buffer (at a pH of 8.3) to achieve a target concentration of 10 μM dye.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9907 mL	9.9536 mL	19.9072 mL
5 mM	0.3981 mL	1.9907 mL	3.9814 mL
10 mM	0.1991 mL	0.9954 mL	1.9907 mL
50 mM	0.0398 mL	0.1991 mL	0.3981 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.

Reference

K P Top, et al.Green/red dual fluorescence detection of total protein and alkaline phosphate-conjugated probes on blotting membranes. Electrophoresis. 2001 Mar;22(5):896-905.
Karen Martin, et al. Simultaneous red/green dual fluorescence detection on electroblots using BODIPY TR-X succinimidyl ester and ELF 39 phosphate.Proteomics. 2002 May;2(5):499-512.

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