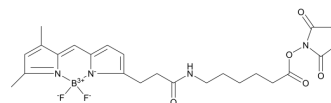


BDY FL-X, SE

Cat. No.:	HY-110257
CAS No.:	217190-09-5
Molecular Formula:	C ₂₄ H ₂₉ BF ₂ N ₄ O ₅
Molecular Weight:	502.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (165.89 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9908 mL	9.9538 mL	19.9076 mL
	5 mM	0.3982 mL	1.9908 mL	3.9815 mL
	10 mM	0.1991 mL	0.9954 mL	1.9908 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BODIPY FL-X,SE is a fluorescent greendye for the labeling of amine, shows a high fluorescence quantum yield and is relatively insensitive to pH change. BODIPY FL-X,SE can be used as an alternative for FAM, Cy2 or FITC. λ_{abs} : 504 nm; λ_{em} :510 nm^[1].

In Vitro

BODIPY FL-X, succinimidyl ester dye stock solutions are prepared in DMSO. Then, it is diluted in 0.1 M sodium bicarbonate buffer, pH 8.3, to a final concentration of 10 μ M dye.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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