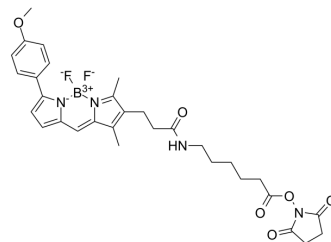


BODIPY TMR-X SE

Cat. No.:	HY-110211
CAS No.:	217190-15-3
Molecular Formula:	C ₃₁ H ₃₅ BF ₂ N ₄ O ₆
Molecular Weight:	608.44
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (205.44 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.6435 mL	8.2177 mL	16.4355 mL
5 mM	0.3287 mL	1.6435 mL	3.2871 mL
10 mM	0.1644 mL	0.8218 mL	1.6435 mL

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

BIOLOGICAL ACTIVITY

Description

BODIPY TMR-X SE is a potent fluorescent dye. BODIPY TMR-X SE can be used to label the primary amines (R-NH₂) of proteins, amine-modified oligonucleotides, and other amine-containing molecules. BODIPY TR-X binds to protein or antibody and has bright, orange fluorescent light. (λ_{ex} =544 nm, λ_{em} =570 nm)^{[1][2]}.

REFERENCES

[1]. Boersma MD, et, al. Hydrophile scanning as a complement to alanine scanning for exploring and manipulating protein-protein recognition: application to the Bim BH3 domain. Protein Sci. 2008 Jul;17(7):1232-40.

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

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