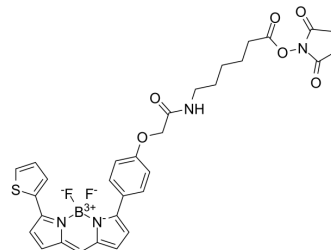


BODIPY TR-X

Cat. No.:	HY-110212
CAS No.:	197306-80-2
Molecular Formula:	C ₃₁ H ₂₉ BF ₂ N ₄ O ₆ S
Molecular Weight:	634.46
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BODIPY TR-X (BODIPY TR-X NHS Ester) is a potent fluorescent dye. BODIPY TR-X 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, red fluorescent light. ($\lambda_{\text{ex}}=545$ nm, $\lambda_{\text{em}}=560$ nm)^{[1][2]}.

REFERENCES

- [1]. Gordienko DV, et, al. Direct visualization of sarcoplasmic reticulum regions discharging Ca(2+)sparks in vascular myocytes. Cell Calcium. 2001 Jan;29(1):13-28.
- [2]. Martin K, 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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