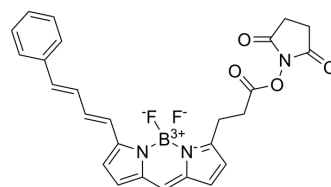


BODIPY-581/591 NHS ester

Cat. No.:	HY-D1691
CAS No.:	150152-70-8
Molecular Formula:	C ₂₆ H ₂₂ BF ₂ N ₃ O ₄
Molecular Weight:	489.28
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 : 25 mg/mL (51.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent \ Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.0438 mL	10.2191 mL	20.4382 mL
		5 mM		0.4088 mL	2.0438 mL	4.0876 mL
	10 mM		0.2044 mL	1.0219 mL	2.0438 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.25 mg/mL (2.55 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	BODIPY-581/591 NHS ester is a bright, red fluorescent dye (excitation: 581 nm; emission: 591 nm). BODIPY-581/591 NHS ester shows unique hydrophobic properties for staining lipids, membranes, and other lipophilic compounds ^[1] .
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CUSTOMER VALIDATION

- Int J Biol Macromol. 2023 Mar 10;236:123998.

See more customer validations on www.MedChemExpress.com

REFERENCES

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

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