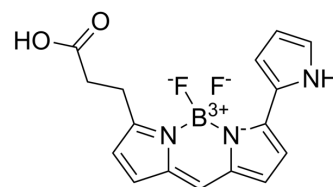


BODIPY 576/589

Cat. No.:	HY-D1118
CAS No.:	150173-78-7
Molecular Formula:	C ₁₆ H ₁₄ BF ₂ N ₃ O ₂
Molecular Weight:	329.11
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (189.91 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0385 mL	15.1925 mL	30.3850 mL
		5 mM	0.6077 mL	3.0385 mL	6.0770 mL
		10 mM	0.3038 mL	1.5192 mL	3.0385 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: ≥ 2.08 mg/mL (6.32 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.32 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BODIPY 576/589 is a long wavelength biological labeled dye ^[1] .
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REFERENCES

[1]. Bing Tang, et al. Development of BODIPY Dyes With Versatile Functional Groups at 3,5-positions From Diacyl Peroxides via Cu(ii)-catalyzed Radical Alkylation. Chem Commun (Camb). 2019 Apr 16;55(32):4691-4694.

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

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