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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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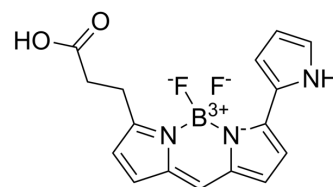
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BODIPY 576/589

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																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>3.0385 mL</td> <td>15.1925 mL</td> <td>30.3850 mL</td> </tr> <tr> <td>5 mM</td> <td>0.6077 mL</td> <td>3.0385 mL</td> <td>6.0770 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3038 mL</td> <td>1.5192 mL</td> <td>3.0385 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			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
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> 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 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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