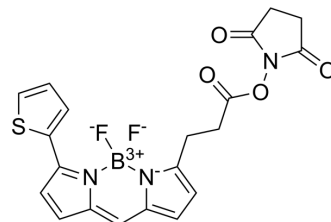


BDP 558/568 NHS ester

Cat. No.:	HY-D1662
CAS No.:	150173-73-2
Molecular Formula:	C ₂₀ H ₁₆ BF ₂ N ₃ O ₄ S
Molecular Weight:	443.23
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	BDP 558/568 NHS ester is a borondipyrromethene fluorophore with emission in the yellow part of the spectrum. BDP 558/568 NHS ester is an amine reactive NHS ester, and the absorption and emission spectra of BDP 558/568 NHS ester are similar with TAMRA, BDP TMR, Cyanine3, and sulfo-Cyanine3 ^{[1][2]} .
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <ol style="list-style-type: none"> 1. Suspend sample in 0.5 M sodium bicarbonate, pH 9.0, and incubates with BDP 558/568 NHS ester for 30 min at a room temperature with frequent sonication. 2. Incubate BODIPY-sample complex with 1 mg/mL FBS for 10 min at 37°C. 3. Investigate fluorescence of BODIPY-sample complex (Ex=558 nm, Em=568 nm)^{[1][2]}. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. Vasselon T, et al. Internalization of monomeric lipopolysaccharide occurs after transfer out of cell surface CD14. J Exp Med. 1999 Aug 16;190(4):509-21.
- [2]. Yu B, Wright SD. Catalytic properties of lipopolysaccharide (LPS) binding protein. Transfer of LPS to soluble CD14. J Biol Chem. 1996 Feb 23;271(8):4100-5.

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

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