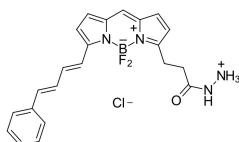


BDP 581/591 hydrazide (A270073)

Specifications:

Name:	BDP 581/591 hydrazide
Description:	BDP 581/591 hydrazide is a carbonyl reactive dye. BDP 581/591 is a borondipyrromethene fluorophore with bright emission, and outstanding photostability. Aldehyde and ketone groups that can be labeled can be obtained by oxidation of 1,2-diol groups in sugars; they are also present in proteins after oxidative stress, and in many small molecules.
Absorption Maxima:	585 nm
Extinction Coefficient:	104000 M ⁻¹ cm ⁻¹
Emission Maxima:	594 nm
Fluorescence Quantum Yield:	0.83
CF ₂₆₀ :	0.06
CF ₂₈₀ :	0.04
Mass Spec M+ Shift after Conjugation:	388.2
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₂ H ₂₂ N ₄ BClF ₂ O
Molecular Weight:	442.7 kDa
Product Form:	Dark colored solid.
Solubility:	Good in DMF, DMSO, and alcohols.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

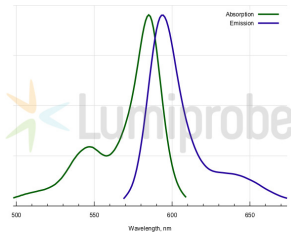
Images:



Structure of BDP 581/591 hydrazide.

BDP 581/591 hydrazide (A270073)

Images continued:



Absorption and emission spectra of BDP 581/591.