

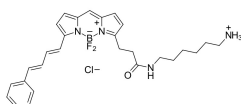
BDP 581/591 amine (A270069)

Specifications:

Name:	BDP 581/591 amine
Description:	BDP 581/591 is a universal fluorophore with high brightness and photostability, relatively long fluorescence lifetime and two photon cross section. This derivative contains a primary amine group for the enzymatic transamination, and conjugation with electrophilic reagents.
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
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₈ H ₃₄ N ₄ BClF ₂ O
Molecular Weight:	526.86 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.

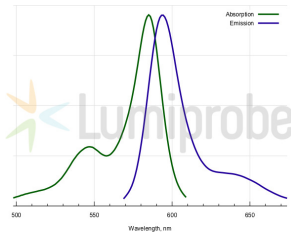
Images:

Structure of BDP 581/591 amine.



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Images continued:



Absorption and emission spectra of BDP 581/591.