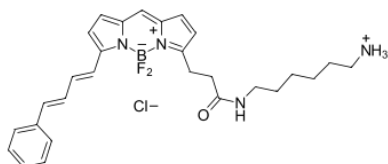


BDP® 581/591 amine

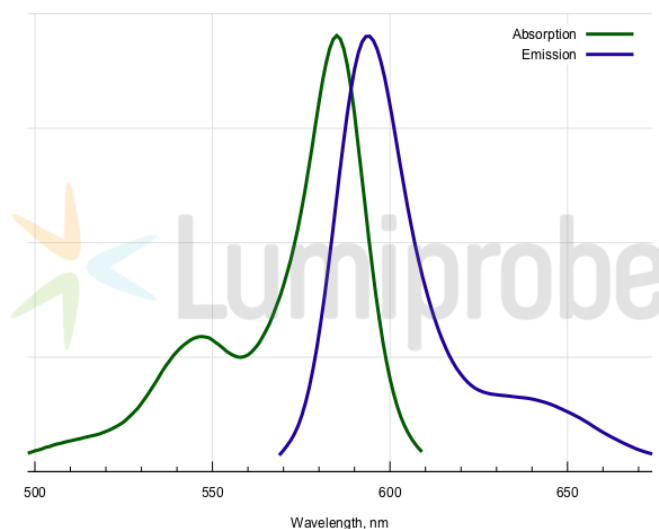
<http://www.lumiprobe.com/p/bdp-581-591-amine>

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.



Structure of BDP 581/591 amine



Absorption and emission spectra of BDP 581/591

General properties

Appearance:	dark colored solid
Molecular weight:	526.86
Molecular formula:	C ₂₈ H ₃₄ N ₄ BClF ₂ O
Solubility:	good in DMF, DMSO, alcohols
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	585
ε, L·mol ⁻¹ ·cm ⁻¹ :	104000
Emission maximum, nm:	594
Fluorescence quantum yield:	0.83
CF ₂₆₀ :	0.06
CF ₂₈₀ :	0.04

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