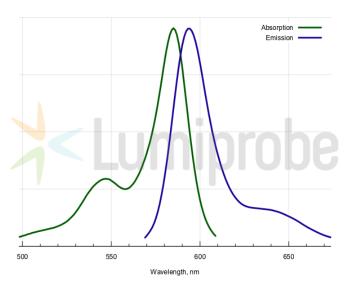


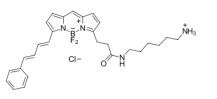
## BDP® 581/591 amine

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

dark colored solid
526.86
$C_{28}H_{34}N_4BCIF_2O$
good in DMF, DMSO, alcohols
NMR <sup>1</sup> H, HPLC-MS (95%)
Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
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 <sup>-1</sup> ·cm <sup>-1</sup> :	104000
Emission maximum, nm:	594
Fluorescence quantum yield:	0.83
CF <sub>260</sub> :	0.06
CF <sub>280</sub> :	0.04

 $\mathsf{BDP}^{\textcircled{\sc s}}$  is a trademark of Lumiprobe