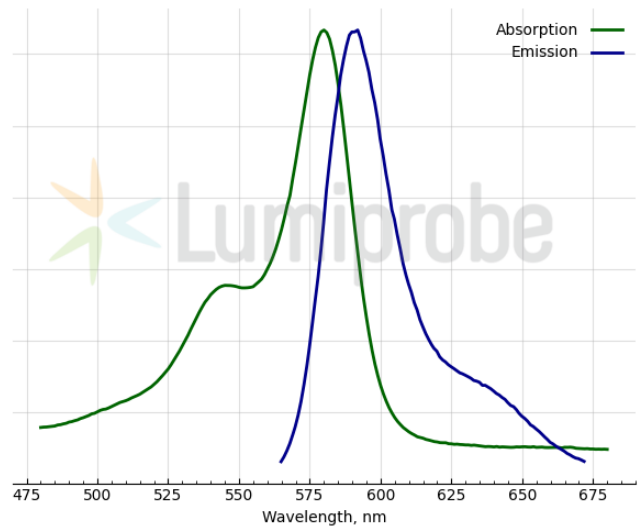
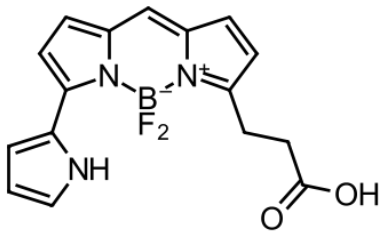


## BDP® 576/589 carboxylic acid

<http://hk.lumiprobe.com/p/bdp-576-589-carboxylic-acid>

BDP 576/589, a boron dipyrromethene dye. This hydrophobic dye with emission in the orange spectrum range has high quantum yield and high molar extinction coefficient. It is suitable for experiments measuring fluorescence lifetime and fluorescence polarization. This fluorophore can be used whether in wide-field and confocal microscopy or in multiphoton microscopy because of its high two-photon absorption cross-section.

This derivative is a carboxylic acid (contains a free COOH-group). It can be used as a reference control and for conjugation with an amino group after activation with carbodiimides.



外观:	深色固體
分子量:	329.11
CAS 编号:	150173-78-7
分子式:	C <sub>16</sub> H <sub>14</sub> N <sub>3</sub> BF <sub>2</sub> O <sub>2</sub>
溶解度:	良好的 DMF、DMSO 性能
质量控制:	NMR <sup>1</sup> H, HPLC-MS (95%)
储存条件:	儲存: 收到後-20°C避光保存24個月。運輸: 室溫最多可保存3週。避免長時間暴露在光線下。
法律声明:	本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。

激发/吸收极大值, 纳米:	580
ε, 摩尔吸光系数, cm <sup>-1</sup> :	98000
发射极大值, 纳米:	592
荧光量子产率:	0.13
CF <sub>260</sub> :	0.32
CF <sub>280</sub> :	0.35

BDP® 是 Lumiprobe 的商標