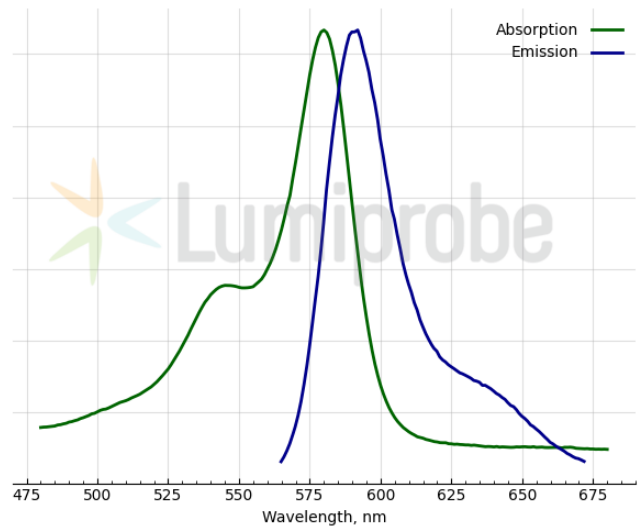
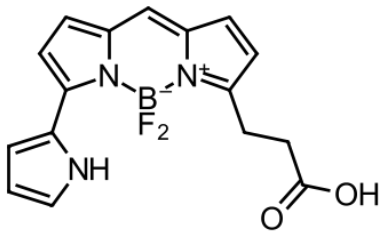


## BDP® 576/589 carboxylic acid

<http://cn.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: 深色固体

分子 329.11

量:

CAS 150173-78-7

编号:

分子  $C_{16}H_{14}N_3BF_2O_2$

式:

溶解 适用于 DMF、DMSO

度:

质量  $NMR^1H$ , HPLC-MS (95%)

控制:

储存 储存: 收到后在  $-20^{\circ}C$  黑暗条件下可保存 24 个月。运输: 室温下可保存最多 3 周。避免长时间暴露在光线下。

条件:

法律 本产品仅供研究目的提供和销售。本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试,且未经明示或暗示授权用于其他任何用途,包括但不限于体外诊断、人类或动物用途,以及商业用途。

激发/ 580

吸收

极大

值,

纳米:

$\epsilon$ , 摩 98000

尔吸

光系

数  $m^2$

发射 592

极大

值,

纳米:

荧光 0.13

量子

产率:

$CF_{260}$ : 0.32

$CF_{280}$ : 0.35

BDP® 是 Lumiprobe 的商标