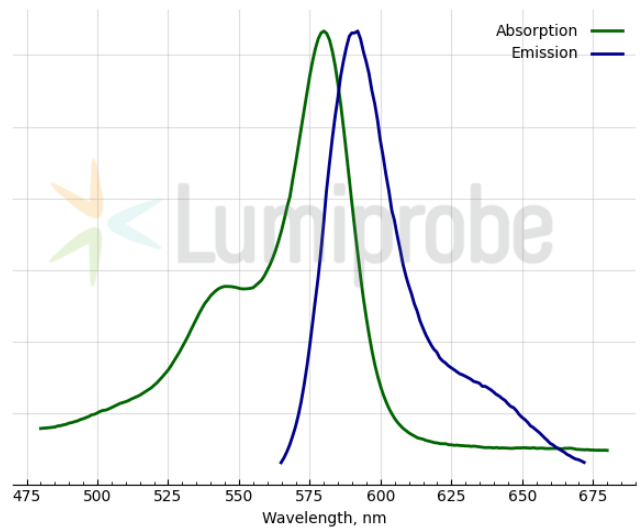
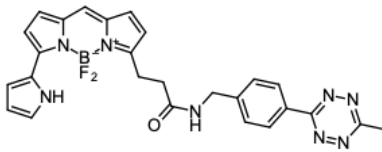


## BDP® 576/589 tetrazine

<http://cn.lumiprobe.com/p/bdp-576-589-tetrazine>

Because of its relatively long excited-state lifetime (about 5 nanoseconds), BDP 576/589 dye can be used in various methods based on measuring fluorescence lifetime. Similarly to other dyes of the BDP family, BDP 576/589 has strong hydrophobic properties and is suitable for labeling non-polar and lipophilic biomolecules and their subsequent visualization by fluorescent microscopy, including two-photon microscopy.

This reagent is a tetrazine derivative that can be conjugated with various strained dienophiles such as *trans*-cyclooctenes and cyclopropenes. This reaction (TCO ligation) is considered to be one of the best bioconjugation reactions because it is very fast and selective in physiological conditions and does not require additional catalyzers, so it is not toxic *in vitro* and *in vivo*.



外观:

质谱 501.16

M+

增量:

分子 529.17

量:

分子  $C_{26}H_{23}N_6BF_2O$

式:

溶解

度:

质量

控制:

储存

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

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