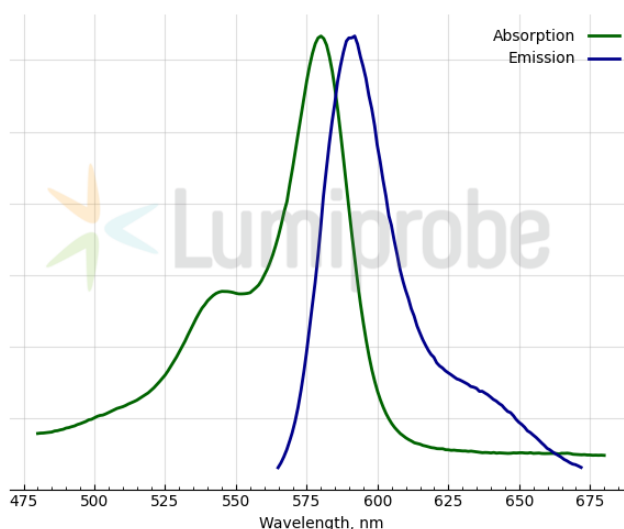
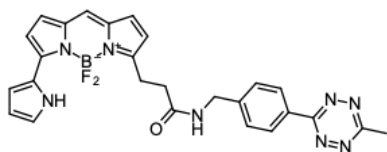


BDP® 576/589 tetrazine

<http://hk.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 M+ 增量: 501.16

分子量: 529.17

分子式: $C_{26}H_{23}N_8BF_2O$

溶解度:

质量控制:

储存条件:

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^{-1} : 98000

发射极大值, 纳米: 592

荧光量子产率: 0.13

CF_{260} : 0.32

CF_{280} : 0.35