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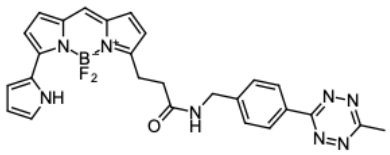
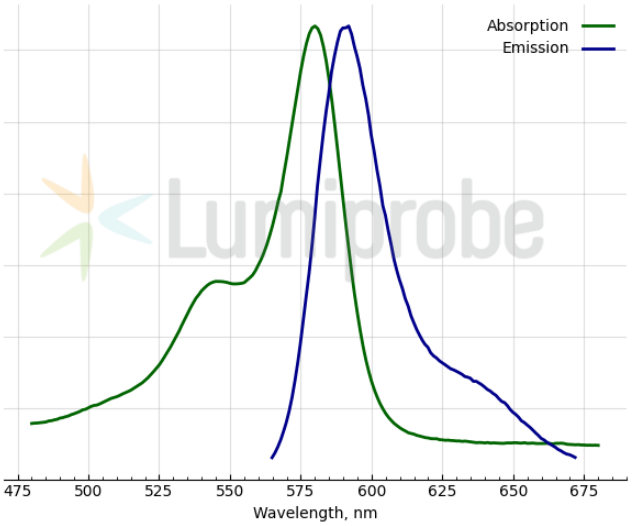
BDP 576/589 tetrazine

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 lypophilic 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:	

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