

BDP 558/568 DBCO

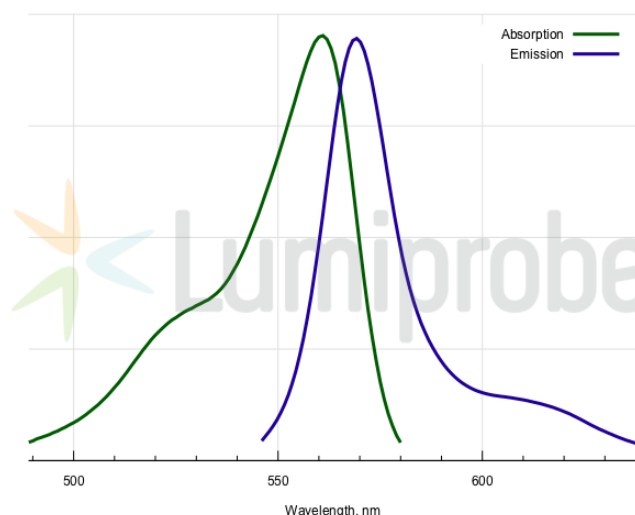
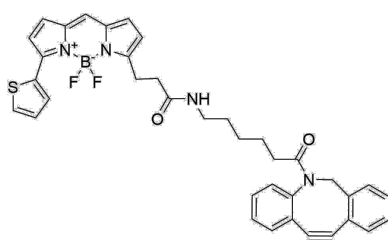
<http://cn.lumiprobe.com/p/bdp-558-568-dbc>

BDP 558/568 fluorescence maximum is in the yellow spectrum range (569 nm). This dye is an analog of such fluorophore as Cy3™ by its spectral characteristics. It is soluble in polar organic solvents and has good photostability and high quantum yield.

BDP 558/568 has hydrophobic properties and can be used for staining lipids, membranes, and other lipophilic compounds.

Introduced in the BDP 558/568 molecule, the cyclooctyne functional group allows entering into reactions of 1,3-dipolar cycloaddition with various substituted azides. Such reactions are promoted by ring strain and do not require copper catalysis. Thus, this method can be used for investigating various processes in living cells.

BDP 558/568 DBCO can be used for the detection of target molecules, proteins, or nucleic acids that contain azide groups by microscopy and flow cytometry.



外观:

分子量: 646.56

分子式: $C_{37}H_{33}N_4BF_2O_2S$

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 561

ϵ , 摩尔吸光系数, cm^{-1} : 84400

发射极大值, 纳米: 569

荧光量子产率: 0.68