

## BDP® 558/568 DBCO

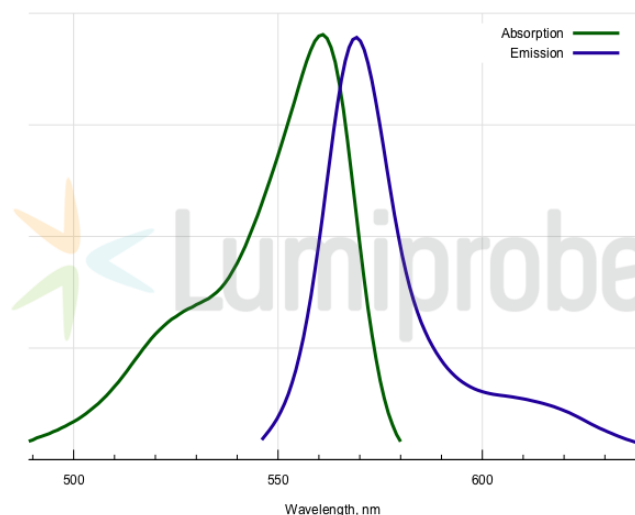
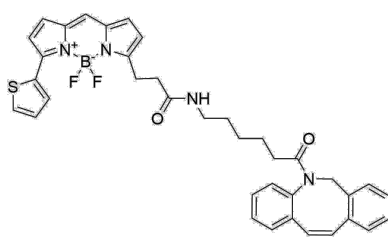
<http://cn.lumiprobe.com/p/bdp-558-568-dbco>

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 646.56

量:

分子  $C_{37}H_{33}N_4BF_2O_2S$

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/ 561

吸收

极大

值,

纳米:

$\epsilon$ , 摩 84400

尔吸

光系

数  $m^2$

发射 569

极大

值,

纳米:

荧光 0.68

量子

产率: