

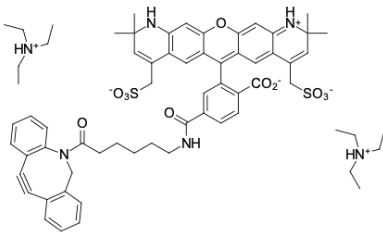
## AF 568 DBCO

<http://cn.lumiprobe.com/p/af-568-dbco-6>

Dibenzocyclooctyne (DBCO, DBCO, ADIBO) is one of the most reactive cycloalkynes for copper-free click reaction (SPAAC, strain-promoted azide-alkyne cycloaddition). The rate of interaction of DBCO with azides is significantly higher than that of other cyclooctynes, as well as Cu-catalyzed click reaction (CuAAC). Unlike other cyclooctynes, DBCO does not interact with [tetrazines](#), which makes it possible to use it in bioorthogonal reactions together with trans-cyclooctenes and tetrazines.

AF 568 is a bright, photostable, and hydrophilic fluorophore that emits in the orange channel. The absorption maximum is 572 nm. The emission maximum is 598 nm.

AF 568 DBCO allows fluorescent labeling of azide-containing biomolecules inside living cells and whole organisms without the negative effect of copper ions on them, and inanimate samples.



外观:

分子 1197.53

量:

分子  $C_{66}H_{80}N_6O_{11}S_2$

式:

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/ 572

吸收

极大

值,

纳米:

$\epsilon$ , 摩

尔吸

光系

数  $m^2$

发射 598

极大

值,

纳米:

荧光 0.912

量子

产率: