

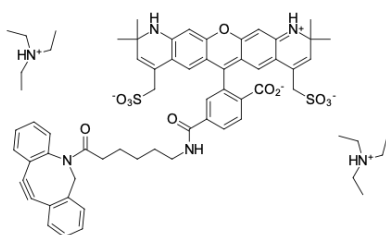
## AF 568 DBCO

<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:

分子量: 1197.53

分子式:  $C_{66}H_{80}N_6O_{11}S_2$

质量控制:

储存条件:

激发/吸收极大值, 纳米: 572

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 94238

发射极大值, 纳米: 598

荧光量子产率: 0.912