

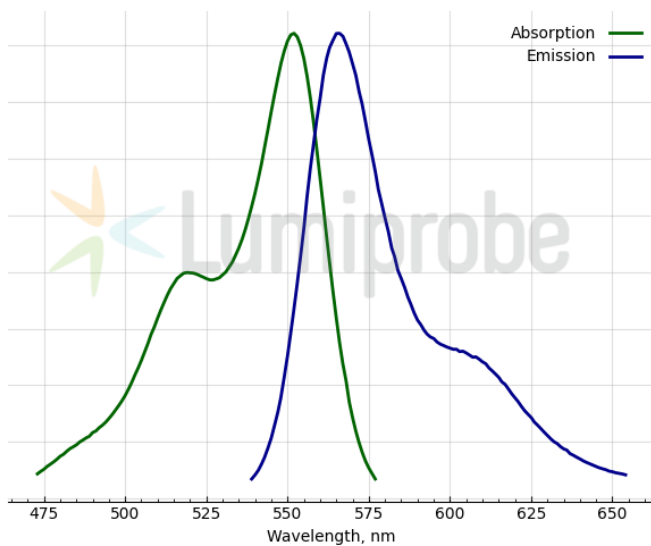
AF 555 DBCO

<http://cn.lumiprobe.com/p/af-555-dbc0>

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 555 is a hydrophilic fluorophore with high fluorescence quantum yield and high photostability, an alternative to tetramethylrhodamine (TAMRA, TMR) or Cyanine3 dyes.

AF 555 DBCO allows fluorescent labeling of azide-containing biomolecules inside living cells, whole organisms, and inanimate samples.



外观: 紫色粉末

分子 1279.71

量:

分子 $C_{56}H_{65}K_3N_4O_{15}S_4$

式:

溶解 水、DMSO、DMF

度:

质量 NMR 1H 和 HPLC-MS (95+%)

控制:

储存 收到后在 $-20^{\circ}C$ 黑暗条件下可保存 24 个月。运输: 室温下最多可保存 3 周。干燥。

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/ 552

吸收

极大

值,

纳米:

ϵ , 摩

尔吸

光系

数 m^2

发射 566

极大

值,

纳米:

荧光 0.14

量子

产率: