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Cyanine3.5 DBCO

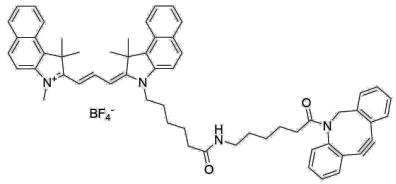
http://cn.lumiprobe.com/p/cyanine35-dbco

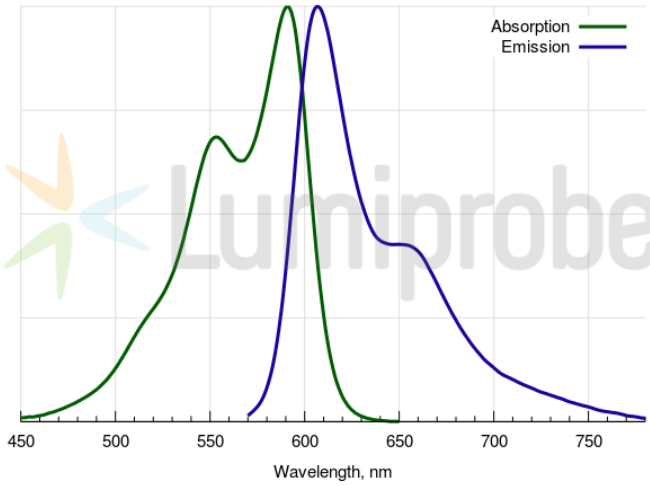
Cyanine3.5 is a bright and photostable fluorophore, which is similar in its spectral characteristics to Cy3.5™ dye. Cyanine3.5 DBCO fluorescence maximum is at 604 nm and in the orange-red spectrum range.

Cyanine3.5 fluorescence is pH insensitive in the range from 4 to 10 and can be detected in the spectrum range with a low level of autofluorescence of biological samples.

Cyanine3.5 DBCO (dibenzocyclooctyne) easily forms conjugates with azide derivatives of biomolecules in copper-free Click Chemistry. The process runs without catalysts or increased temperature, resulting in stable triazoles.

Conjugates of biomolecules with Cyanine3.5 can be used for various microscopy assays, including FRET-microscopy, and in proteomics.





外观:

分子量: 944.95

分子式: $C_{59}H_{61}N_4BF_4O_2$

溶解度:

质量控制:

储存条件:

激发/吸收极大值，纳米: 591

ε, 摩尔吸光系数，cm^{-1}: 116000

发射极大值，纳米: 604

荧光量子产率: 0.35