

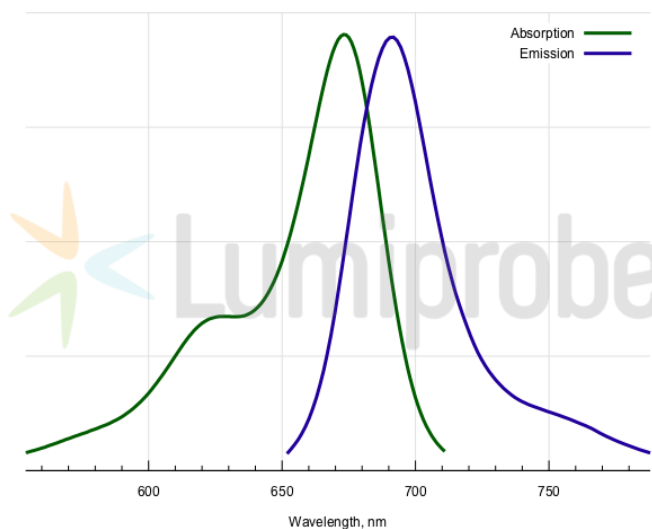
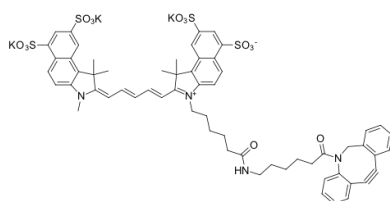
## sulfo-Cyanine5.5 DBCO

<http://hk.lumiprobe.com/p/sulfo-cy55-dbc>

Sulfo-Cyanine5.5 is a dye with far-red emission approaching NIR range. It has found application in non-invasive live-organism imaging. This particular derivative of sulfo-Cyanine5.5, the DBCO (or ADIBO) derivative, contains cycloalkyne for copper-free conjugation of this fluorophore with various organic azides.

The reaction between DBCO and azides is blazingly fast, orders of magnitude exceeding the rate of copper-catalyzed reaction between azides and terminal alkynes. It is also catalyst-free.

This reagent can be used to conjugate sulfo-Cyanine5.5 dye to a variety of azide-labeled molecules.



外观:

分子量: 1317.69

分子式:  $C_{61}H_{59}N_4K_3O_{14}S_4$

溶解度:

质量控制:

激发/吸收极大值, 纳米: 673

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 211000

发射极大值, 纳米: 691

荧光量子产率: 0.21