

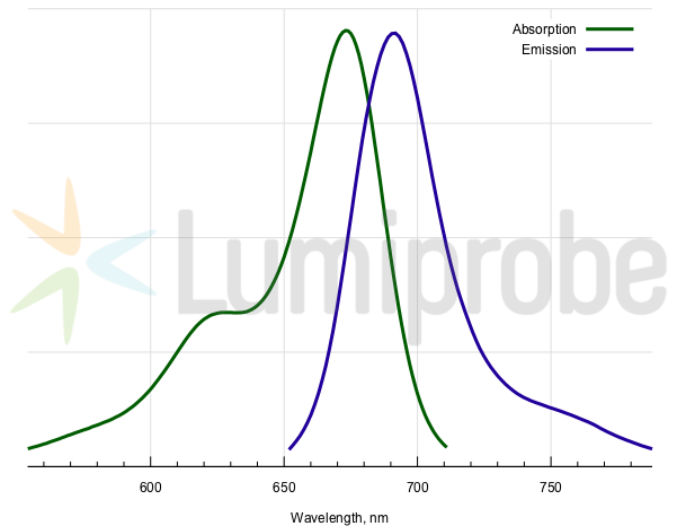
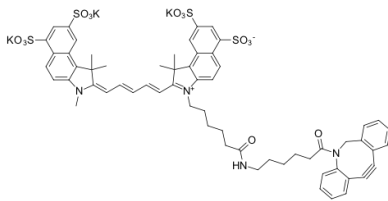
## sulfo-Cyanine5.5 DBCO

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

Sulfo-Cyanine5.5 is a dye with far-red emission approaching the 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: 深蓝色固体

分子 1317.69

量:

分子  $C_{61}H_{59}N_4K_2O_{14}S_4$

式:

溶解 适用于水、DMF、DMSO

度:

质量  $NMR^1H$ , HPLC-MS (95%)

控制:

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/ 673

吸收

极大

值,

纳米:

$\epsilon$ , 摩

尔吸

光系

数  $m^2$

发射

极大

值,

纳米:

荧光

量子

产率:

0.21