

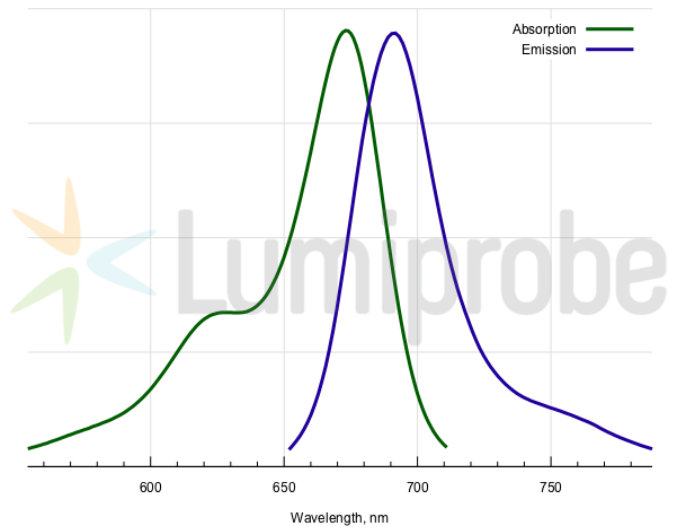
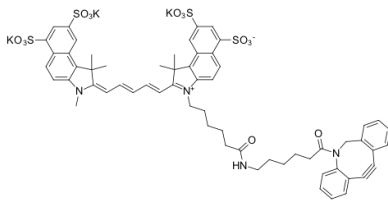
## sulfo-Cyanine5.5 DBCO

<http://hk.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:	深藍色固體
分子量:	1317.69
分子式:	C <sub>61</sub> H <sub>59</sub> N <sub>4</sub> K <sub>3</sub> O <sub>14</sub> S <sub>4</sub>
溶解度:	適合水、DMF、DMSO
质量控制:	NMR <sup>1</sup> H, HPLC-MS (95%)

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。

激发/吸收极大值, 纳米:	673
ε, 摩尔吸光系数, cm <sup>-1</sup> :	211000
发射极大值, 纳米:	691
荧光量子产率:	0.21