

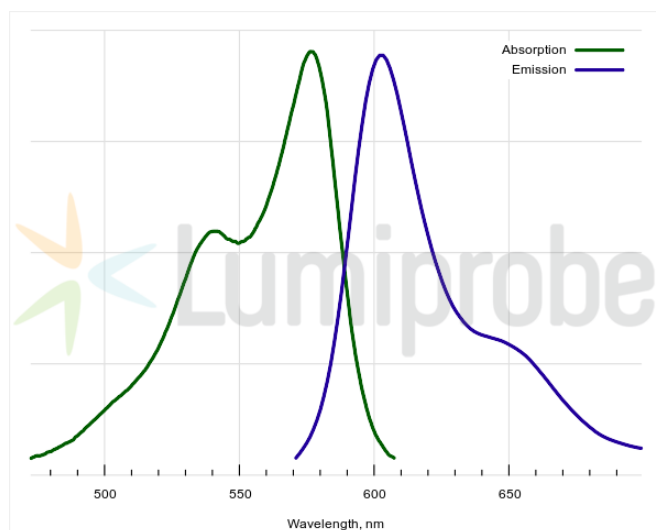
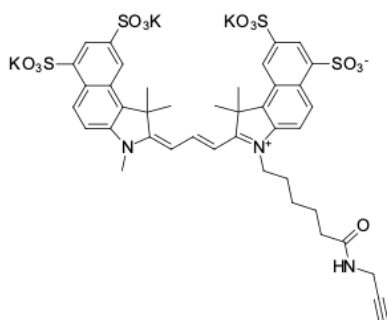
## sulfo-Cyanine3.5 alkyne

<http://cn.lumiprobe.com/p/sulfo-cy35-alkyne>

sulfo-Cyanine3.5 is a dye with fluorescence in the orange spectrum range (absorption maximum at 576 nm; emission maximum at 603 nm). Its absorption and emission spectra are between that of Cyanine3 and Cyanine5. Therefore, sulfo-Cyanine3.5 is commonly used as a FRET-donor in a pair with Cyanine5, as a FRET-acceptor in a pair with Cyanine3, and in BRET experiments.

sulfo-Cyanine3.5 is a sulfonated derivative with four sulfo groups, which allows its high hydrophilicity and performing all reactions with this reagent in aqueous solutions without adding organic solvents.

The reagent is an alkyne derivative of sulfo-Cyanine3.5 dye for copper-catalyzed click chemistry. The terminal alkynyl (acetylene) group allows conjugating the fluorophore with the molecules containing an azide group through 1,3-dipolar cycloaddition in the presence of a copper(I) catalyst.



外观:

质谱 914.2

M+

增量:

分子 1028.32

量:

分子式:  $C_{41}H_{40}N_3K_3O_{13}S_4$

式:

溶解

度:

质量

控制:

储存

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/ 576

吸收

极大

值,

纳米:

$\epsilon$ , 摩 139000

尔吸

光系

数  $\sigma^2$

发射 603

极大

值,

纳米:

荧光 0.11

量子

产率:

CF<sub>260</sub>: 0.16

