

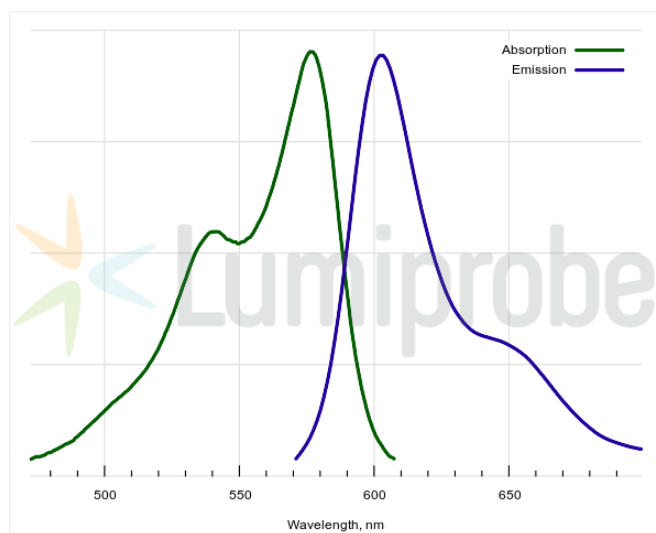
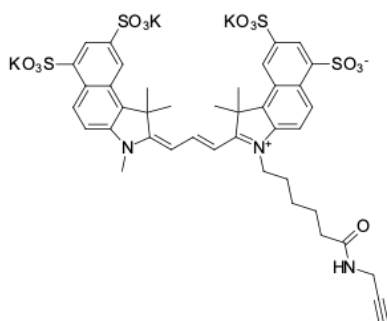
sulfo-Cyanine3.5 alkyne

<http://hk.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 M+ 增量: 914.2

分子量: 1028.32

分子式: $C_{41}H_{40}N_3K_3O_{13}S_4$

溶解度:

质量控制:

储存条件:

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: 576

ϵ , 摩尔吸光系数, cm^{-1} : 139000

发射极大值, 纳米: 603

荧光量子产率: 0.11

CF_{260} : 0.16

CF_{280} : 0.17