

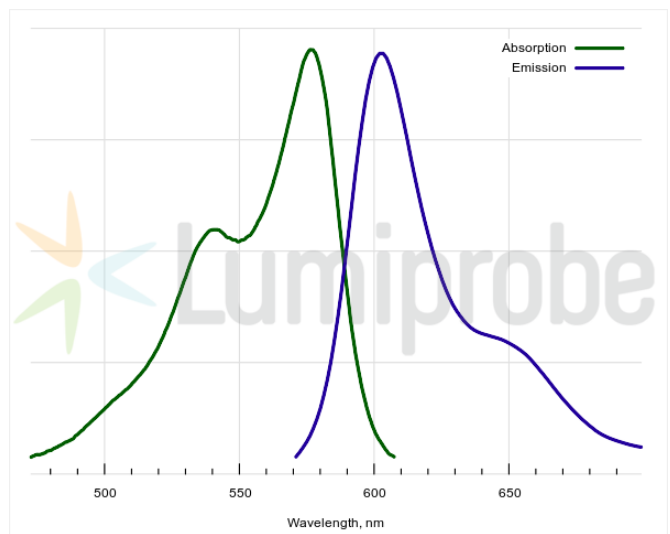
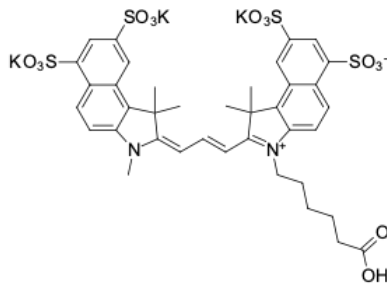
sulfo-Cyanine3.5 carboxylic acid

<http://hk.lumiprobe.com/p/sulfo-cy35-carboxylic-acid>

sulfo-Cyanine3.5 is a cyanine fluorophore with fluorescence in the orange spectrum range. Its absorption and emission spectra are between those of Cyanine3 and Cyanine5.

This dye is a sulfonated form of Cyanine3.5 (contains four sulfo groups), so it has good solubility and can be used in reactions without adding organic solvents.

This reagent is a derivative with a free carboxyl group. Because of its inactivity in physiological conditions, sulfo-Cyanine3.5 carboxylic acid derivative can be used as a negative control in experiments with active dye derivatives. The carboxylic acid can be activated with carbodiimides (e. g. EDAC) and react with hydrazines, hydroxylamines, and amines.



外观:

分子量: 991.26

分子式: $C_{38}H_{37}N_2K_3O_{14}S_4$

溶解度:

质量控制:

储存条件:

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