

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
CF₂₆₀: 0.16
CF₂₈₀: 0.17