

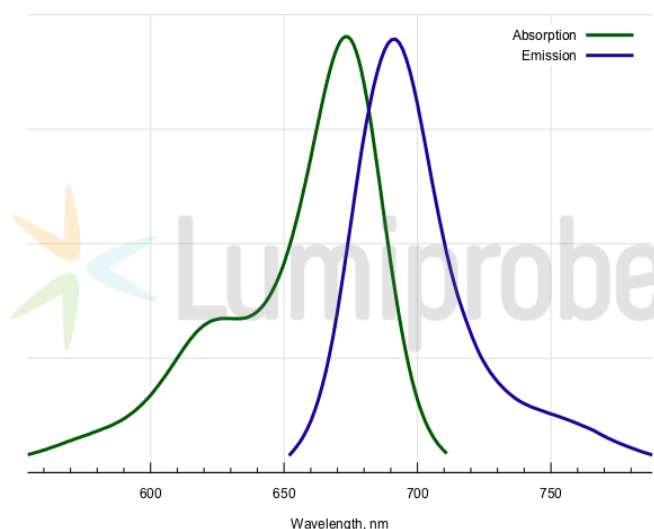
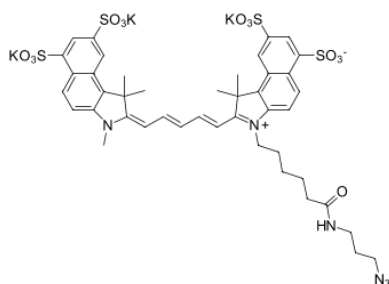
## sulfo-Cyanine5.5 azide

<http://cn.lumiprobe.com/p/sulfo-cy55-azide>

sulfo-Cyanine5.5 is a water-soluble, hydrophilic fluorophore with emission in the far-red area of the spectrum, an analog of Cy5.5<sup>®</sup>. Like other cyanine dyes, sulfo-Cyanine5.5 has an outstanding molar extinction coefficient, giving rise to its bright fluorescence. The molecule contains four sulfo groups that provide hydrophilicity and negative charge to the fluorophore — this minimizes non-specific binding.

The azide group of Sulfo-Cyanine5.5 azide can be conjugated with terminal alkynes in the presence of copper(I) catalyst or with cycloalkynes in copper-free strain-promoted reaction.

The reagent possesses high hydrophilicity and is recommended for labeling biomolecules in an aqueous environment.



外观:

质谱 M+ 增量: 984.2

分子量: 1099.41

CAS 编号: 2382994-65-0

分子式:  $C_{43}H_{45}K_3N_6O_{13}S_4$

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 673

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 211000

发射极大值, 纳米: 691

荧光量子产率: 0.21

$CF_{260}$ : 0.09

$CF_{280}$ : 0.11