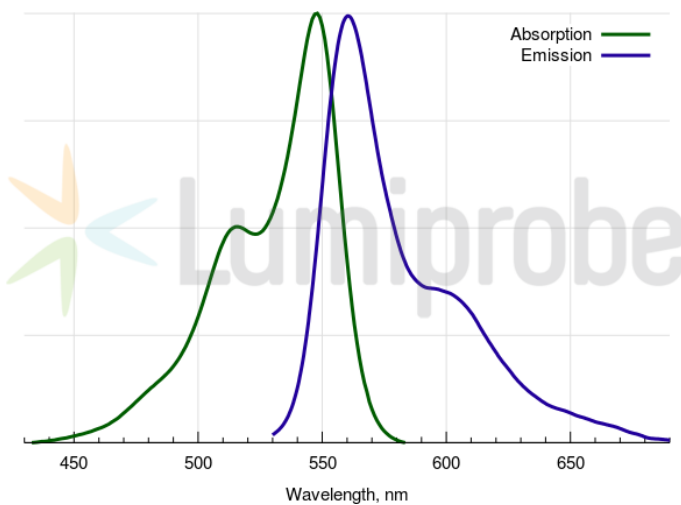


sulfo-Cyanine3-PEG3-biotin

<http://hk.lumiprobe.com/p/sulfo-cyanine3-biotin>

This fluorescent conjugate is useful for streptavidin-based fluorescent assays and visualization of the streptavidin/avidin-labeled biomolecules. Streptavidin, a protein with a high affinity to biotin, has four binding centers for biotin. The high stability of biotin/streptavidin complex gives the opportunity to build different kinds of assays. For example, a target molecule with affinity to the surface can be conjugated with biotin and immobilized on a solid surface. After it, streptavidin can be bound to the biotinylated surface and washed. Then, bound streptavidin on the surface can be visualized with the biotin-dye conjugate.

The long and hydrophilic PEG3 linker facilitates binding and decreases nonspecific interactions.



外观:

分子量: 1011.32

分子式: $C_{46}H_{63}N_6KO_{11}S_3$

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 548

ϵ , 摩尔吸光系数, cm^{-1} : 162000

发射极大值, 纳米: 563

荧光量子产率: 0.1

CF_{260} : 0.03

CF_{280} : 0.06