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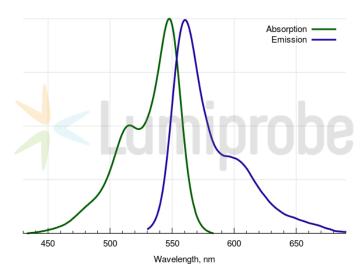
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sulfo-Cyanine3-PEG3-biotin

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: C₄₆H₆₃N₆KO₁₁S₃

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

563

荧光量子产率:0.1CF260:0.03CF280:0.06

发射极大值,纳米: