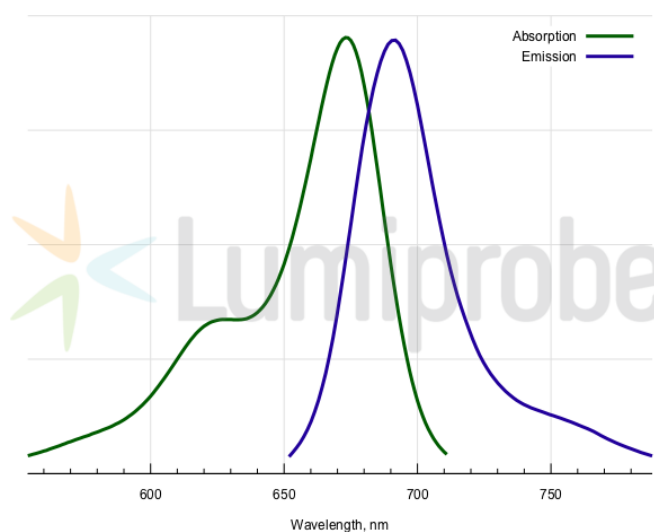
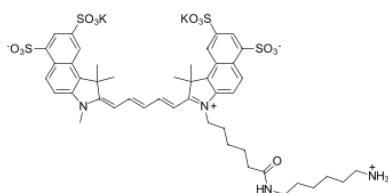


## sulfo-Cyanine5.5 amine

<http://hk.lumiprobe.com/p/sulfo-cy55-amine>

sulfo-Cyanine5.5 is a water-soluble cyanine dye for far red / NIR applications such as in vivo imaging. The dye possesses four sulfonate groups, rendering it highly hydrophilic and water-soluble. As well as other cyanines, sulfo-Cyanine5.5 has an outstanding extinction coefficient that makes it a bright fluorescent label for the far-red region.

This is an amine-containing fluorescent dye. The amine group is separated from the fluorophore by a relatively long linker that facilitates conjugation. The aliphatic primary amine group can be coupled with various electrophiles (activated esters, epoxides, etc.) and used in enzymatic transamination labeling.



外觀: 1077.41  
分子  
量: 2183440-46-0  
CAS  
編號:  $C_{46}H_{42}K_2N_2O_{11}S_4$   
分子  
式:  
IUPAC (E)-4-[(2E,4E)-5-{5-[6-(6-Aminohexylamino)-6-oxohexyl]-3,3-dimethyl-10,12-bis(oxysulfonyl)-5-azatricyclo[7.4.0.0.2,6]trideca-1,4,6,8,10,12-hexaen-4-yl]-2,4-pentadienyldiene}-3,3-dimethyl-5-methyl-5-azatricyclo[7.4.0.0.2,6]trideca-1,6,8,10,12-pentaene-10,12-disulfonic  
名稱: acid dipotassium salt  
溶解  
度:  
質量  
控制:  
儲存  
條件:  
激发/ 673  
吸收  
極大  
值,  
納米:  
 $\epsilon$ , 摩  
尔吸  
光系  
數  $M^{-1}cm^{-1}$   
211000  
发射  
極大  
值,  
納米:  
691  
荧光  
量子  
产率:  
0.21  
CF<sub>abs</sub>: 0.09  
CF<sub>em</sub>: 0.11