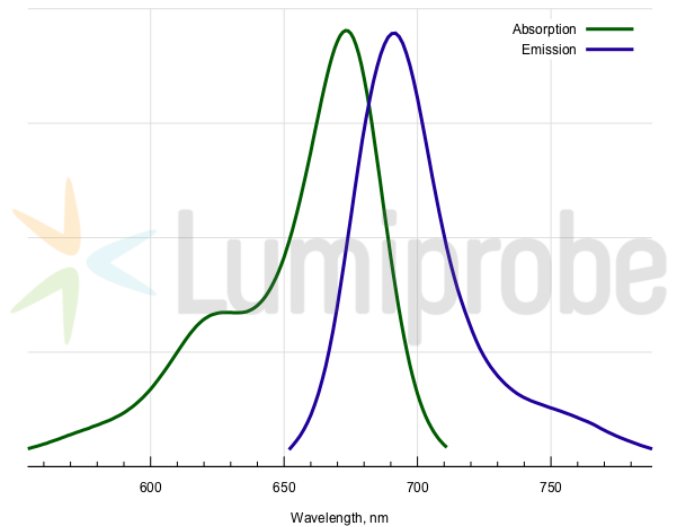
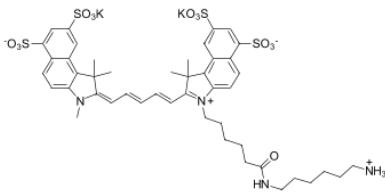


sulfo-Cyanine5.5 amine

<http://cn.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.



外观: 1077.41
分子
量: 2183440-46-0
CAS
编号: $C_{44}H_{42}K_2N_2O_{11}S_4$
分子
式:
IUPAC (E)-4-[(2E,4E)-5-[5-[6-(6-Aminohexylamino)-6-oxohexyl]-3,3-dimethyl-10,12-bis(oxy-sulfonyl)-5-azatricyclo[7.4.0.0.2.6]trideca-1,4,6,8,10,12-hexaen-4-yl]-2,4-pentadienyli-dene]-3,3-dimethyl-5-methyl-5-azatricyclo[7.4.0.0.2.6]trideca-1,6,8,10,12-pentaene-10,12-disulfonic
名称: acid dipotassium salt
溶解
度:
质量
控制:
储存
条件:
激发/ 673
吸收
极大
值,
纳米:
 ϵ , 摩
尔吸
光系
数 ϵ_{673}
发射
极大
值,
纳米: 691
荧光
量子
产率: 0.21
 CF_{691} : 0.09
 CF_{673} : 0.11