

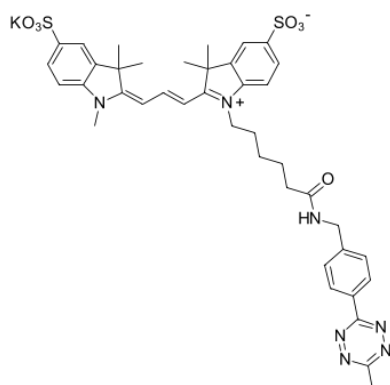
sulfo-Cyanine3 tetrazine

<http://cn.lumiprobe.com/p/sulfo-cy3-tetrazine>

Tetrazine - *trans*-cyclooctene ligation is among the fastest bioconjugation reactions known to date.

This water soluble sulfo-Cyanine3 derivative contains methyltetrazine moiety for the coupling with *trans*-cyclooctenes. Methyltetrazines possess optimal stability at physiological pH, while maintaining extremely high reactivity towards cyclooctenes.

The fluorophore is bright, photostable, and is also very well visible with naked eye.



外观:

分子量: 838.05

分子式: $C_{40}H_{44}KN_4O_6S_2$

IUPAC Potassium (E)-2-[(E)-3-{3,3-Dimethyl-1-[6-({[p-(6-methyl-1,2,4,5-tetrazin-3-yl)phenyl]methyl}amino)-6-oxohexyl]-5-(oxysulfonyl)-3H-indol-2-yl]-2-propenylidene]-1-methyl-3,3-dimethyl-5-indolinesulfonate

溶解度:

质量控制:

储存条件:

激发/ 548

吸收极大值, 纳米:

ϵ , 摩尔吸光系数 $M^{-1}cm^{-1}$ 162000

发射极大值, 纳米:

563

荧光量子产率:

0.1

CF_{280} :

0.03

CF_{380} :

0.06