

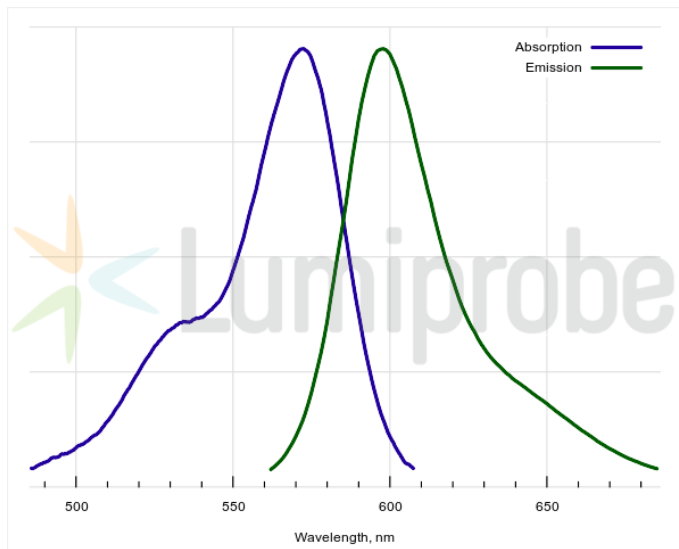
AF 568 maleimide

<http://cn.lumiprobe.com/p/af-568-maleimide-6>

AF 568 maleimide is a bright orange-red fluorescent dye reactive toward thiol groups. The maleimide moiety selectively conjugates with sulfhydryl groups of cysteine residues in proteins, peptides, antibodies, and other biomolecules, forming stable thioether bonds. The dye provides high fluorescence intensity and excellent photostability, enabling efficient labeling for fluorescence microscopy, flow cytometry, and other bioanalytical applications.

AF 568 exhibits excitation and emission maxima compatible with standard TRITC/Cyanine3 imaging settings. The dye is well suited for multicolor experiments due to its minimal spectral overlap with green and far-red fluorophores.

Maleimide conjugation reactions proceed efficiently at near-neutral pH (typically pH 6.5-7.5), enabling selective labeling of free thiols under mild conditions. AF 568 maleimide can be used for labeling proteins, oligonucleotides, nanoparticles, and other thiol-containing molecules.



外观:

分子 935.13

量:

分子 $C_{22}H_{40}K_2N_4O_{12}S_2$

式:

溶解 水、二甲基亚砷

度:

质量 NMR^1H , HPLC-MS (90%)

控制:

储存 收到后 $-20^{\circ}C$ 避光保存 24 个月。运输: 室温下最多可保存3周。干燥。

条件:

法律 本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。

激发/ 572

吸收

极大

值,

纳米:

ϵ , 摩 94238

尔吸

光系

数 art

发射 598

极大

值,

纳米:

荧光 0.912

量子

产率:

CF_{260} : 0.4

CF_{280} : 0.32