

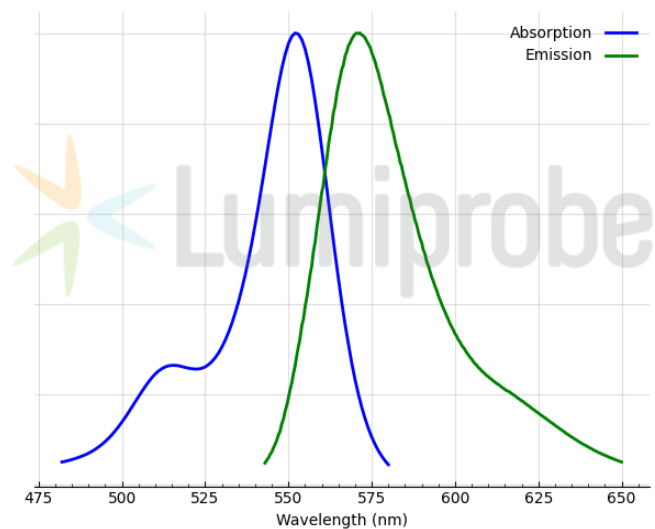
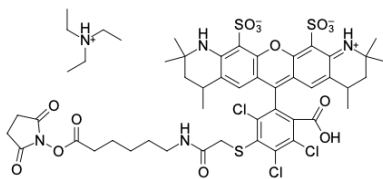
AF 546 NHS ester

<http://hk.lumiprobe.com/p/af-546-nhs-ester-6>

AF 546 NHS ester is a rhodamine-based fluorescent dye designed for covalent labeling of biomolecules at primary amines.

AF 546 NHS ester effectively reacts with the ϵ -amino groups of lysines and the N-terminal amino groups of proteins, forming a stable amide bond. The reaction is carried out in a slightly alkaline environment (typically pH 7.5-8.5), which ensures high conjugation and reproducible results.

The dye is characterized by high brightness, good photostability, and minimal pH sensitivity in the physiological range. Its spectral properties make it suitable for multicolor fluorescence microscopy, flow cytometry, and fluorescence immunoassays.



外观:

分子量: 1159.63

分子式: C₅₀H₆₂Cl₃N₅O₁₄S₃

溶解度: 水、DMSO、DMF

质量控制: NMR ¹H 和 HPLC-MS (95+%)

储存条件: 收到後 -20°C 避光保存 12 個月。運輸: 室溫最多可保存3週。乾燥。

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

激发/吸收极大值, 纳米: 552

ϵ , 摩尔吸光系数, cm⁻¹: 130000

发射极大值, 纳米: 570

荧光量子产率: 0.9

CF₂₆₀: 0.25

CF₂₈₀: 0.13