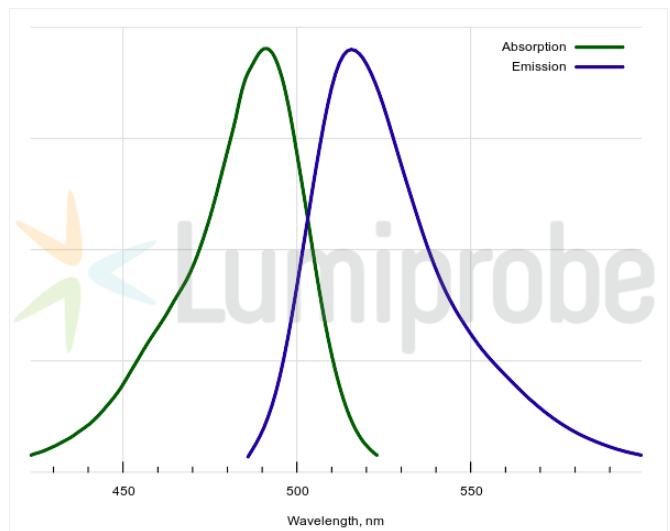
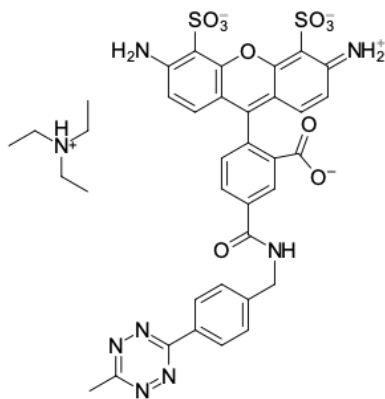


## AF 488 tetrazine, 5-isomer

<http://hk.lumiprobe.com/p/af-488-tetrazine-5>

AF 488 is a water-soluble green-fluorescent dye with high fluorescence quantum yield and high photostability. The dye is similar to FITC in spectral characteristics (absorption max. at 495 nm, emission max. at 519 nm) and is not sensitive to pH changes within the range from 4 to 10. This reagent is a pure 5-isomer.

This AF 488 derivative contains tetrazine moiety that reacts with trans-cycloalkenes and other strained olefins in inverse electron demand Diels-Alder reaction (IEDDA). The reaction is very quick, specific and suitable for *in vitro* cell labeling.



外观:

分子量: 817.88

分子式:  $C_{37}H_{37}N_8O_{10}S_2^-$

溶解度: 適用於甲醇、DMSO、DMF 和水

质量控制: NMR  $^1H$  和 HPLC-MS (95+%)

储存条件: 收到後在-20°C 黑暗環境下保存 24 個月。運輸: 室溫最多可保存3週。乾燥。避免長時間暴露在光線下。

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: 495

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 71800

发射极大值, 纳米: 519

荧光量子产率: 0.91

$CF_{260}$ : 0.16

$CF_{280}$ : 0.10