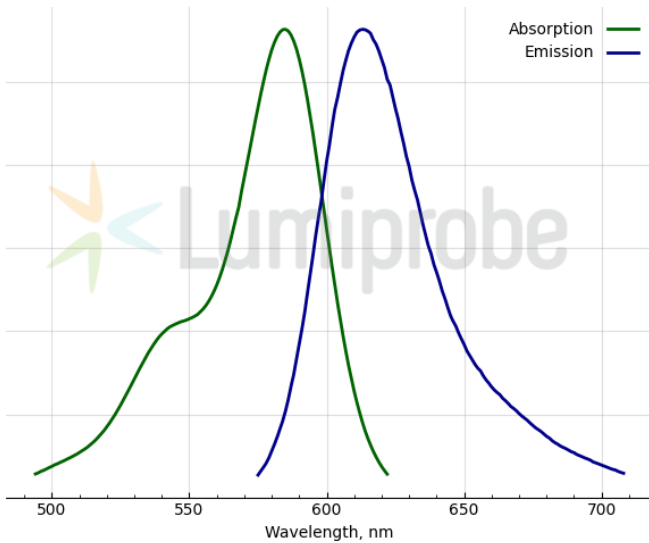


## AF 594 carboxylic acid

<http://hk.lumiprobe.com/p/af-594-carboxylic-acid-6>

AF 594 is a bright, red-fluorescent dye with excitation maximum at 590 nm and emission maximum at 617 nm. This dye has better photostability and higher fluorescence quantum yield than traditional fluorescent stains (Phycoerythrin PE, Texas Red, etc.). This dye is a pure 6-isomer

AF 594 carboxylic acid is a non-reactive form of AF 594 dye that can be used as a reference standard in experiments involving AF 594 dye conjugates. Besides, the carboxylic group can react with hydrazines, hydroxylamines, and amines using carbodiimides such as EDAC.



外观:	深藍色晶體
分子量:	925.18
分子式:	$C_{47}H_{64}N_4O_{11}S_2$
溶解度:	溶於水、DMSO、DMF、甲醇
质量控制:	NMR $^1H$ 和 HPLC-MS (95+%)
储存条件:	收到後 -20°C 避光保存 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: 586

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 105000

发射极大值, 纳米: 613

荧光量子产率: 0.77

$CF_{260}$ : 0.28

$CF_{280}$ : 0.51