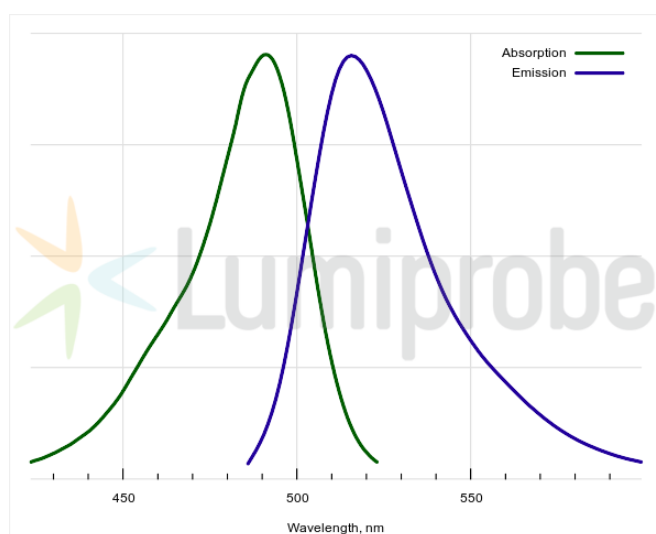
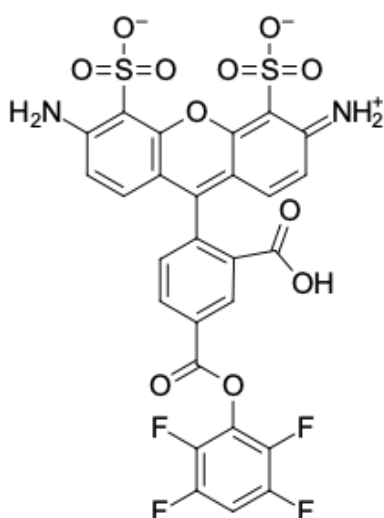


AF 488 TFP ester

<http://cn.lumiprobe.com/p/af-488-tfp-ester>

AF 488 is a bright and photostable dye well suited for labeling sensitive proteins and antibodies due to its hydrophilicity. AF 488 is a sulfonated derivative of Rhodamine 110 (R110), and, like other rhodamines, AF 488 is represented by two (5- and 6-) isomers. Both isomers have almost identical photophysical properties but require their separation since using a mixture of isomers leads to the «doubling» of the peaks of the labeled products during HPLC and electrophoretic separation. This product contains isomerically pure 5-AF 488.

Tetrafluorophenyl (TFP) esters belong to a group of activated esters widely used to conjugate fluorophores to the primary and secondary amines of biomolecules. Like hydroxysuccinimide (NHS) esters, they form a strong amide bond between the dye and the compound being modified; however, TFP esters are more stable at the basic pH values typically associated with reactions with amines and are also less susceptible to spontaneous hydrolysis.



外观: 红色晶体

分子量: 681.53

量:

CAS 2133404-55-2

编号:

分子式: $C_{27}H_{13}F_4N_2O_{11}S_2^-$

式:

溶解度: 适合水、DMF、DMSO

度:

质量 NMR 1H 和 HPLC-MS (95+%)

控制:

储存 收到后 -20°C 避光保存 24 个月。运输: 室温下最多可保存3周。干燥。避免长时间暴露在光线下。

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/ 495

吸收

极大

值,

纳米:

ϵ , 摩

尔吸

光系

数 m

发射 519

极大

值,

纳米:

荧光 0.91

量子

产率:

CF_{260} : 0.16

CF_{280} : 0.10