

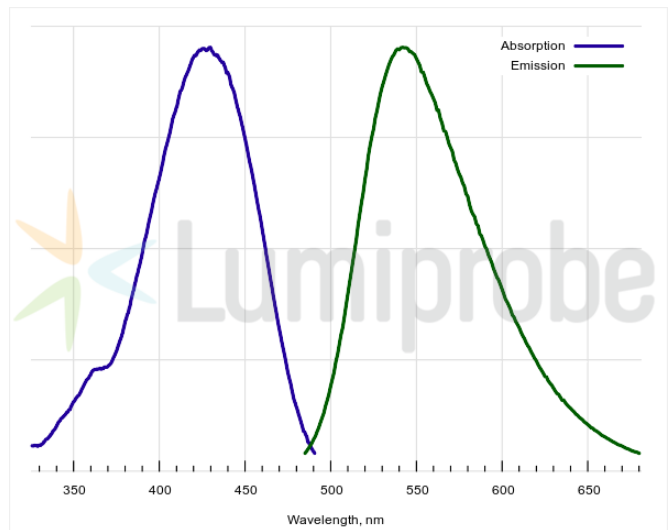
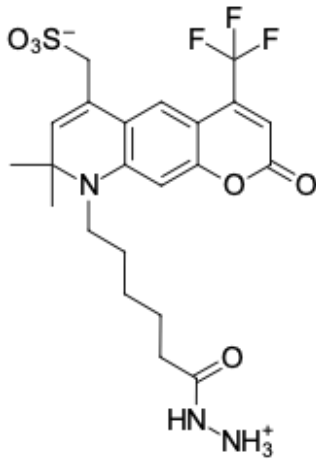
## AF 430 hydrazide

<http://hk.lumiprobe.com/p/af-430-hydrazide>

AF 430 is a fluorescent dye with an excitation maximum at 430 nm and an emission maximum at 542 nm. AF 430 is one of the few dyes that absorb between 400 nm and 450 nm. AF 430 fluorescence is photostable and pH-insensitive in a broad range of pH values.

This product is a hydrazide derivative of AF 430 dye. Hydrazides efficiently react with aldehydes and ketones, resulting in hydrazones, so that this compound can be used for conjugation with carbonyl derivatives of biomolecules.

The reaction runs in aqueous conditions, which is important when working with antibodies and proteins. Cys-diol groups in sugars in glycosylated proteins and antibodies can be oxidized into dialdehydes, and cysteine in proteins can be converted with enzymes to formyl glycerol (i. e. reactive groups for conjugation with hydrazides). Carboxyl groups of aspartic and glutamic acids in proteins and peptides can also be conjugated with hydrazides in the presence of activating agents: carbodiimide (EDAC) or methyl morpholine (DMTMM) derivatives.



外观:

质谱 M+ 增量: 499.1

分子量: 517.52

分子式:  $C_{22}H_{26}N_3F_3O_6S$

溶解度:

质量控制:

储存条件:

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: 430

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 15955

发射极大值, 纳米: 542

荧光量子产率: 0.23