

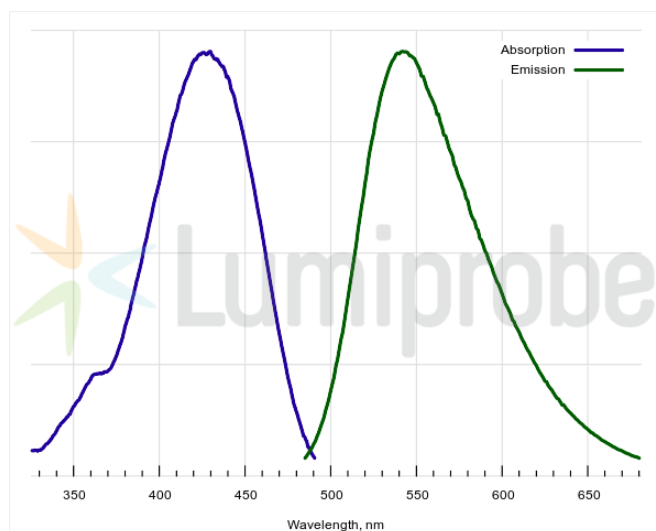
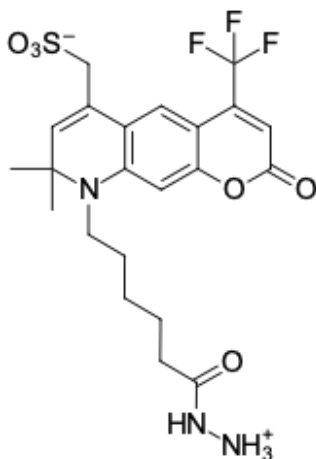
AF 430 hydrazide

<http://cn.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 499.1

M+

增量:

分子 517.52

量:

分子 C₂₂H₂₆N₃F₃O₆S

式:

溶解

度:

质量

控制:

储存

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/ 430

吸收

极大

值,

纳米:

ε, 摩 15955

尔吸

光系

数 σ_π

发射 542

极大

值,

纳米:

荧光 0.23

量子

产率: