

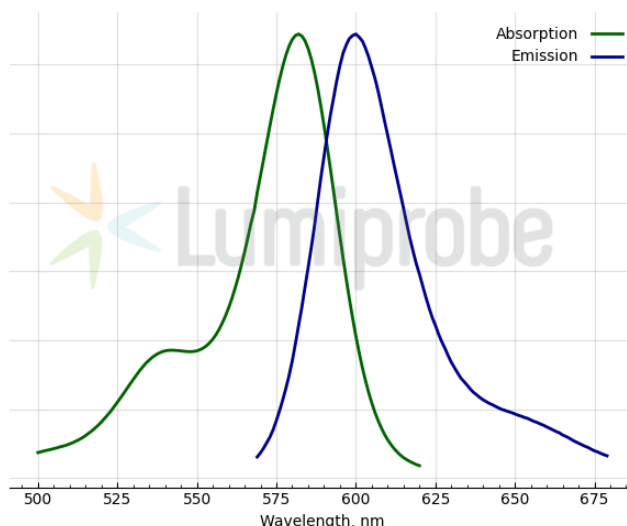
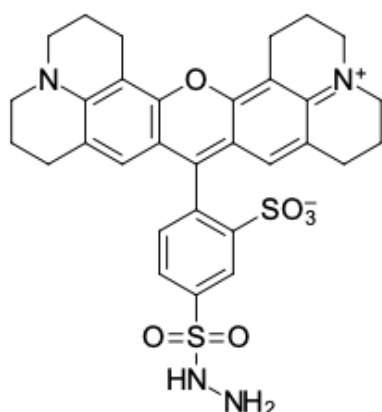
TR hydrazide, 5-isomer

<http://hk.lumiprobe.com/p/tr-hydrazide-5>

This product is a hydrazide derivative of TR 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.

TR is a red-fluorescent dye used for cell staining, fluorescence microscopy applications, and cell sorting with fluorescent-activated cell sorting machines. TR is also commonly used in molecular biology, mainly quantitative RT-PCR and cellular assays.



外观:

分子量: 620.75

分子式: $C_{31}H_{32}N_4O_6S_2$

溶解度:

质量控制: NMR 1H 和HPLC-MS (95+%)

储存条件: 接收後24個月在黑暗中-20°C。運輸: 在室溫下最多3週。乾燥。

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: 582

ϵ , 摩尔吸光系数, cm^{-1} : 98000

发射极大值, 纳米: 600

荧光量子产率: 0.79