

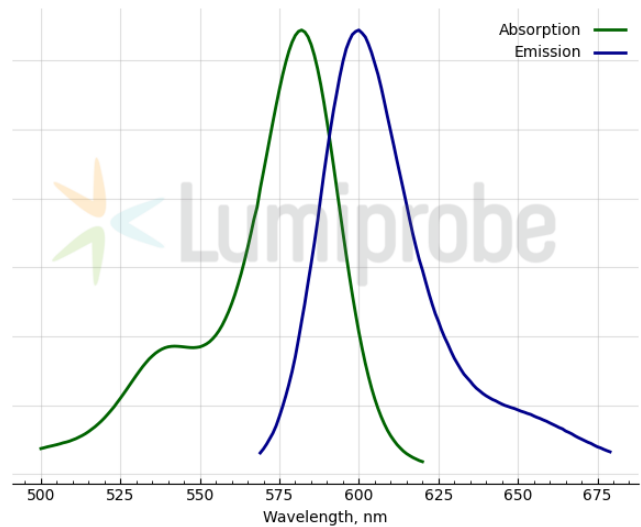
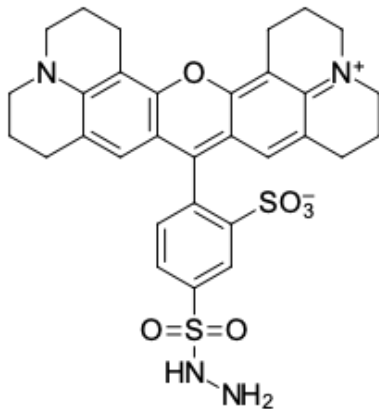
## TR hydrazide, 5-isomer

<http://cn.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 620.75

量:

分子式:  $C_{31}H_{32}N_4O_6S_2$

式:

溶解

度:

质量 NMR  $^1H$ 和HPLC-MS (95+%)

控制:

储存 接收后24个月在黑暗中-20°C。运输: 在室温下最多3周。干燥。

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/ 582

吸收

极大

值,

纳米:

$\epsilon$ , 摩

尔吸

光系

数  $m^2$

发射 600

极大

值,

纳米:

荧光 0.79

量子

产率: