

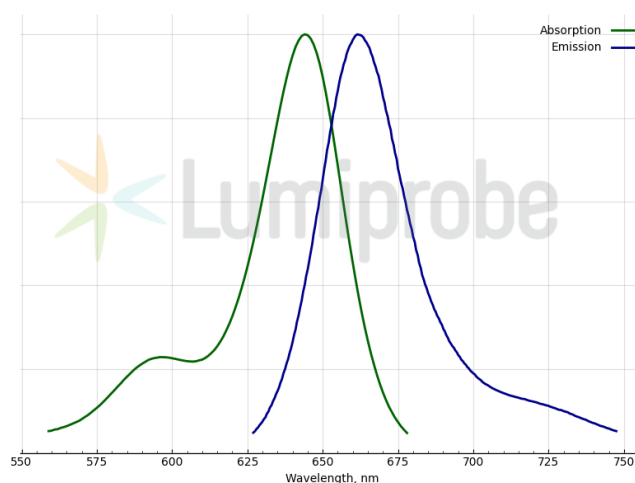
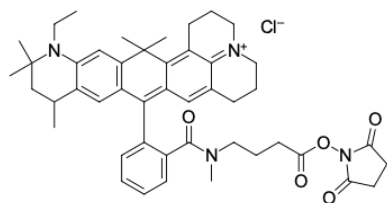
ATT 647N NHS ester

<http://cn.lumiprobe.com/p/atto-647n-nhs-ester>

ATT 647N NHS ester is an amine-reactive dye for labeling various amine-containing molecules in an aqueous phase without using any organic co-solvent. This product is beneficial for the labeling of peptides and proteins that denature in the presence of organic co-solvents, as well as for proteins with low solubility.

ATT 647N is a rhodamine-based far-red fluorophore with strong molar absorption, high fluorescence quantum yield, and excellent thermal and photostability. ATT 647N fluorescence is independent of pH in the range of 2 to 11, which supports its application under diverse experimental conditions.

Unlike cyanine dyes, ATT 647N exhibits enhanced resistance to atmospheric ozone degradation, making it highly suitable for microarray and other high-precision applications such as single-molecule detection, super-resolution microscopy techniques (e.g., SIM and STED), flow cytometry (FACS), and fluorescence in situ hybridization (FISH).



外观: 蓝色粉末

分子量: 779.42

量:

CAS 1199940-27-6

编号:

分子式: $C_{46}H_{55}ClN_4O_5$

式:

溶解度: DMSO, DCM, DMF, 乙腈

度:

质量控制: NMR 1H 和HPLC-MS (95+%)

储存条件: 在黑暗中接收到-20°C后12个月。运输: 在室温下最多3周。干燥。

条件:

法律声明: 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/ 644

吸收

极大

值,

纳米:

ϵ , 摩尔

吸

光系

数 σ

发射 662

极大

值,

纳米:

荧光 0.68

量子

产率:

CF_{260} : 0.08

CF_{280} : 0.05