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ATT 647N NHS ester

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

ATT 647N NHS ester is a water-soluble 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
CAS 编号:	1199940-27-6
分子式:	$C_{46}H_{55}ClN_4O_5$
溶解度:	DMSO，DCM，DMF，乙腈
质量控制:	NMR ^{1}H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。
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 。