Lumiprobe Corporation
201 International Circle, 135號套房
馬里蘭州亨特瓦雷，21030
美國
手機：+1 888 973 6353
傳真：+1 888 973 6354
電子郵件：order@lumiprobe.com

ATT 647N NHS ester

http://hk.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:	藍色粉末
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後12個月。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。