

Perylene azide

<http://hk.lumiprobe.com/p/perylen-azide>

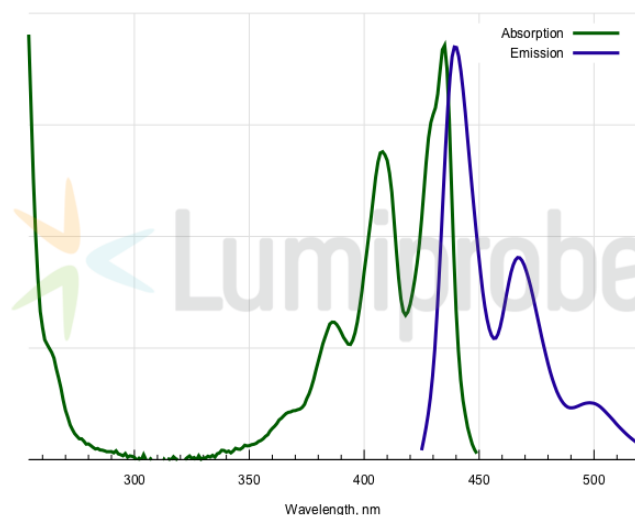
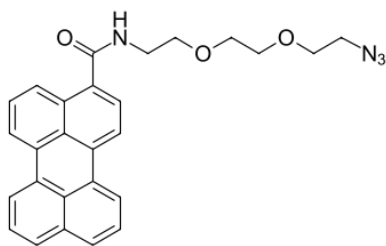
This product will be discontinued soon. We may still have some material in stock (please see availability above).

Perylene is a bright and extremely photostable fluorescent polycyclic aromatic hydrocarbon (PAH) label with quantum yield approaching quantitative.

Due to low life time of fluorescence, this probe does not form excimers.

Perylene labeling of biomolecules is used to be difficult and tedious because of low solubility of perylene, and low availability of activated derivatives. However, labeling via Click Chemistry with this perylene azide is nearly as easy, as with other dyes. Labeling peptide, DNA, protein with this polyaromatic hydrocarbon has never been so simple yet.

To increase hydrophilicity, and facilitate labeling, this PAH azide contains hydrophilic triethyleneglycol linker.



外观:

分子量: 452.50

CAS 编号: 1807503-81-6

分子式: $C_{27}H_{24}N_4O_3$

IUPAC 名称: 3-(8-Azido-3,6-trioxaoctylaminocarbonyl)perylen-1-one

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 435; 408; 252

ϵ , 摩尔吸光系数, cm^{-1} : 36000

发射极大值, 纳米: 439; 467

荧光量子产率: 1.0