Lumiprobe Corporation
115 Airport Dr Suite 160
Westminster, Maryland 21157
美国
电话：+1 888 973 6353
传真：+1 888 973 6354
电子邮件：order@lumiprobe.com

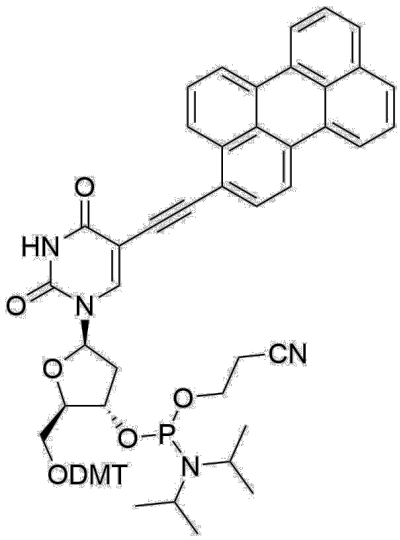
Perylene dU phosphoramidite

http://cn.lumiprobe.com/p/perylene-amidite-du

Perylene is a bright and extremely photostable fluorescent polycyclic aromatic hydrocarbon (PAH) label with a quantum yield approaching quantitative. Due to the low lifetime of fluorescence, this probe does not form excimers.

With this phosphoramidite, perylene can be introduced into DNA by automated oligonucleotide synthesis. Perylene is attached to the 5′ position of deoxyuridine (dU) through a triple bond and the fluorophore is electronically coupled to the deoxyuridine base. This coupling of dU and perylene makes the fluorescence sensitive to the base pairing of the dU portion of the molecule, allowing the discrimination between perfect and one base mismatched targets.

This amidite requires no special handling, coupling, or deprotection conditions. Recommended diluent is acetonitrile.



外观:	
分子量:	1005.1
CAS 编号:	908117-78-2
分子式:	$C_{61}H_{57}N_4O_8P$
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

稀释剂: