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DusQ 1 CPG 1000

http://hk.lumiprobe.com/p/dusq-1-cpg-1000

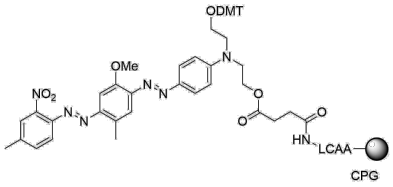
This support with a pore size of 1000 Å is intended for the automated synthesis of oligonucleotides of up to 120 bases in length modified with DusQ1 dark quencher at the 3’ end.

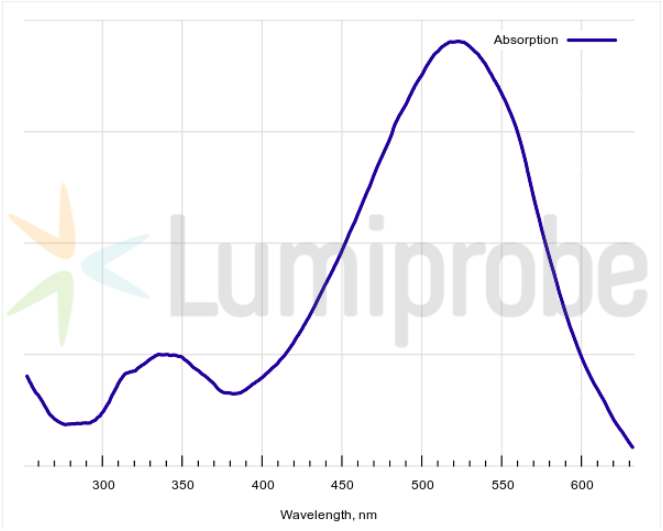
Non-fluorescent DusQ1 quencher exhibits the strongest absorption within the range of 480 to 580 nm; its absorption maximum is at 534 nm. It is suitable for quenching (a combination of static and dynamic quenching) of many fluorophores, including Biosearch Blue™, Marina Blue™, Edans, Bothell Blue, FAM™, JOE™, VIC™, R6G, HEX™, TET™ and Yakima Yellow™. It can be used for the synthesis of hybridization probes such as TaqMan, Molecular Beacon, Scorpion.

Usage

Coupling: Standard conditions identical to normal nucleobases.

Deprotection: 2 hours at room temperature using concentrated ammonia or 10 min at 65 °C using AMA mixture, concentrated aqueous ammonia/40% methylamine (1:1). Deprotection conditions depend on oligonucleotide composition and nucleobase protecting groups, as well as additional modifications, if present.





外观:

质量控制:

储存条件:

激发/吸收极大值，纳米:	522
ε, 摩尔吸光系数，cm^{-1}:	27300
CF_{260}:	0.17
CF_{280}:	0.10

孔径大小，埃:	1000
典型载荷，umol/g:	30−50