Lumiprobe Corporation
201 International Circle，135号套房
马里兰州亨特瓦雷，21030
美国
电话：+1 888 973 6353
传真：+1 888 973 6354
电子邮件：order@lumiprobe.com

DusQ® 2 CPG 500

http://cn.lumiprobe.com/p/bhq2-cpg

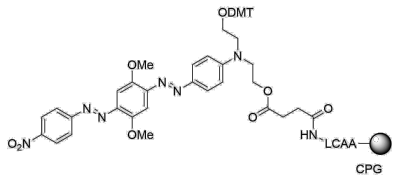
This support is intended for automated synthesis of oligonucleotides with 3’-terminal DusQ® 2 quencher. Pore size of 500 Å is recommended for the synthesis of oligonucleotides of up to 50 bases in length.

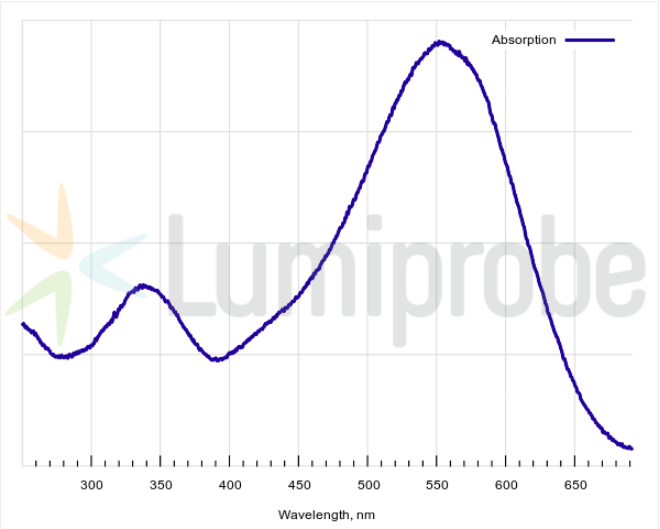
DusQ 2 is a fluorescence quencher with absorption within the range of 560 to 670 nm. It is ideal for effective FRET quenching of fluorophores with emission in this range. The quencher is also used in hybridization probes with static and combined quenching. Its quenching effectiveness does not depend very much on overlapping of fluorophore and quencher spectra, thus allowing for effective quenching of the broad spectrum of fluorophores, including those with emission in the red and far-red part of the spectrum. Thus, DusQ 2 can be used with such fluorophores (including but not limited to) as Cyanine3, TAMRA, ROX, Cyanine3.5, Quasar® 570, Pulsar® 650, Cyanine5, Quasar® 670, Cyanine5.5, and Quasar® 705.

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:	
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 。
激发/吸收极大值，纳米:	552
CF_{260}:	0.31
CF_{280}:	0.26
孔径大小，埃:	500
典型载荷, umol/g	50–80