

## DusQ® 1 phosphoramidite

<http://cn.lumiprobe.com/p/bhq1-amidite>

DusQ® 1 phosphoramidite is a true dark quencher with broad absorption curve which covers the visible spectrum with maximum in green to yellow region. It is used for the synthesis of dual labeled oligonucleotide probes for qPCR bearing 5'-quencher DusQ 1 and other FRET applications for multiplexing assays. Contains a DMT protection of the hydroxymethyl group, which allows oligonucleotide purification on cartridges.

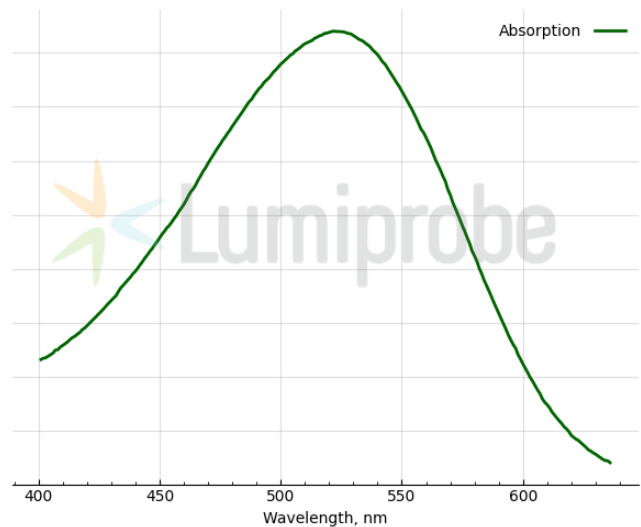
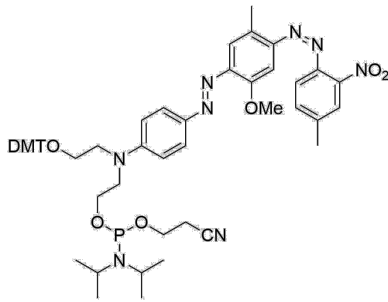
DusQ 1 has a quenching range (QR) 480 - 580 nm to construct efficiently quenched qPCR probes paired with all common reporter dyes such as FAM, TET, JOE, HEX and Cyanine3 with high quenching efficiency, and form completely non-fluorescent complexes.

## Usage

Coupling: 6 minutes coupling time recommended.

Deprotection: for 2 h at RT using ammonium hydroxide, or 10 min at 65 °C with AMA (solution of 30% ammonium hydroxide/40% aqueous methylamine 1:1 v/v).

Deprotection time depends on oligonucleotide composition and nucleobase protecting groups, and additional modifications.



外观:

分子 995.11

量:

CAS 374591-94-3

编号:

分子  $C_{55}H_{63}N_8O_8P$

式:

IUPAC Phosphoramidous acid, bis(1-methylethyl)-, 2-[[2-[bis(4-methoxyphenyl)phenylmethoxy]ethyl][4-[[2-methoxy-5-methyl-4-[(4-methyl-2-nitrophenyl)azo]phenyl]azo]phenyl] amino]ethyl 2-cyanoethyl ester (9CI)

溶解

度:

质量

控制:

储存

条件:

法律 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/ 522

吸收

极大

值,

纳米:

ε, 摩 27300  
尔吸  
光系  
数  $m$

稀释  
剂:  
偶联  
条件:  
切割  
条件:  
解保  
护条  
件: