

DusQ® 1 phosphoramidite

<http://hk.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.

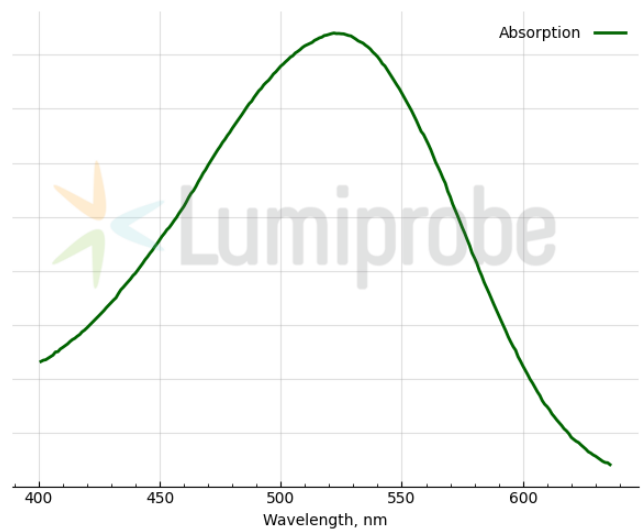
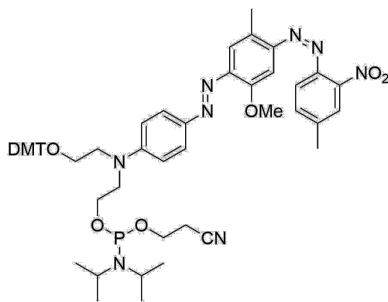
DusQ 1 has a quenching range (QR) 480 - 580 nm to construct efficiently quenched qPCR probes paired with all common reporter dyes such as FAM, TET, JOE, HEX and Cyanine3 with high quenching efficiency, and form completely non-fluorescent complexes.

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:

分子量: 995.11

CAS 编号: 374591-94-3

分子式: $C_{55}H_{63}N_8O_8P$

IUPAC 名称: 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:

法律声明:

本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

激发/吸收极大值, 纳米: 522

ϵ , 摩尔吸光系数, cm^{-1} : 27300

稀释剂:

偶联条件:

切割条件:

解保护条件: