

## DusQ® 21 CPG 500

<http://hk.lumiprobe.com/p/dusq21-cpg-500>

DusQ® 21 is a quencher for the dyes in far red region of the spectrum. The dye is a xanthene derivative, unlike DusQ 1 or DusQ 2, that are azo dyes. It has a high extinction coefficient, and provides an outstanding quenching efficiency.

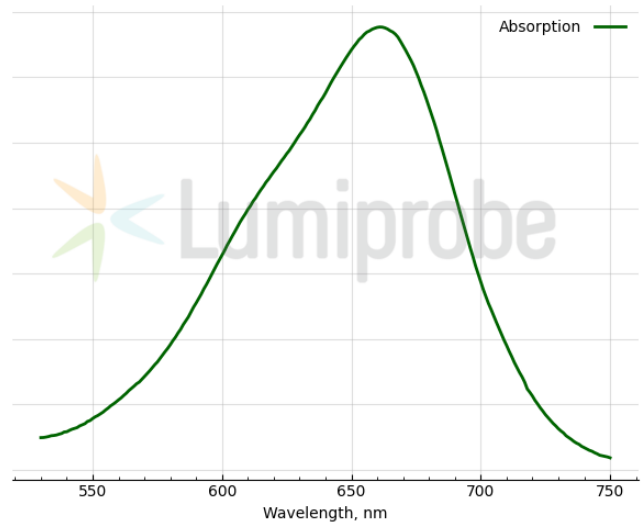
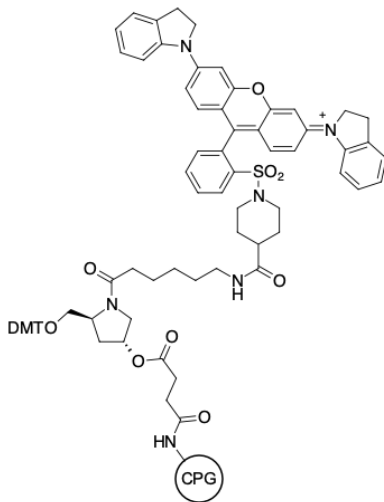
The controlled pore glass solid support allows to synthesize oligonucleotides carrying the dye moiety on 3'-terminus.

We recommend the use of ultramild, phenoxyacetyl protected monomers. As an alternative, post-synthetic labeling using NHS ester of DusQ 21 quencher can be used.

## Usage

Coupling: Standard conditions identical to normal nucleobases.

Deprotection: 2 hours at room temperature using concentrated ammonia or potassium carbonate  $K_2CO_3$  (50 mM solution in methanol).



外观:

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: 656

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 72800

孔径大小, 埃: 500

典型载荷,  $\mu mol/g$ : 50–80