

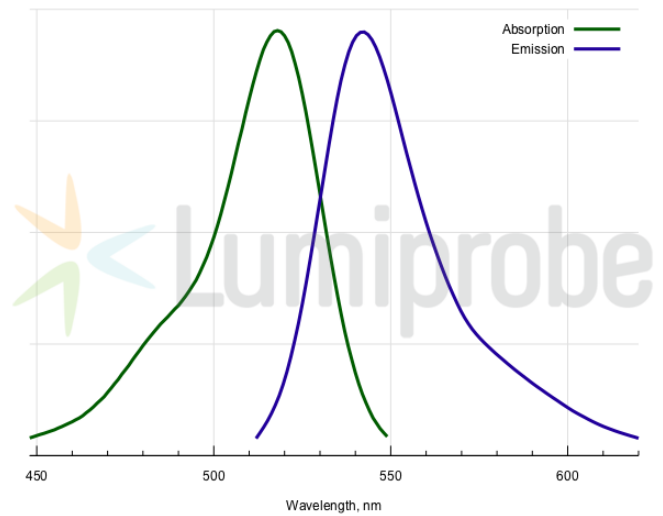
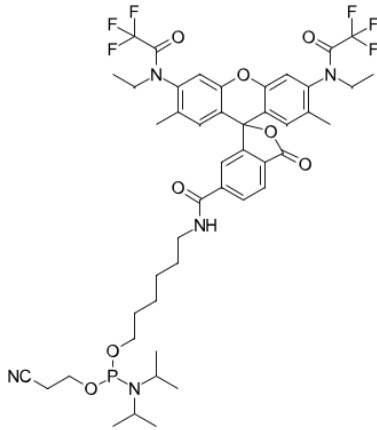
R6G phosphoramidite, 6-isomer

<http://cn.lumiprobe.com/p/6-r6g-phosphoramidite>

R6G phosphoramidite for oligonucleotide synthesis, pure 6-isomer.

R6G (rhodamine 6G) is a xanthene dye of the rhodamine family with high fluorescence quantum yield and high molar extinction coefficient. Relative to those of fluorescein, the absorption (518 nm) and emission (542 nm) maxima of 6-R6G are shifted into the long-wave region.

R6G can be used as a FRET acceptor in DNA-sequencing and in short tandem repeat (STR) analysis. The dye is commonly used for producing TaqMan probes for quantitative PCR. In comparison with HEX and JOE dyes, R6G in combination with BHQ1 quencher has stronger quenching in molecular beacon probes, significantly reducing background fluorescence in PCR.



外观:

分子 949.93

量:

CAS 1355330-47-0

编号:

分子 $C_{46}H_{54}F_6N_5O_5P$

式:

溶解

度:

质量 NMR 1H 和 ^{31}P , HPLC-MS (95+%), 功能测试

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/ 518

吸收

极大

值,

纳米:

ϵ , 摩 116000

尔吸

光系

数 m

发射 542

极大

值,

纳米:

荧光 0.95

量子

产率:

CF_{260} : 0.18

CF_{280} : 0.17

稀释

剂:

偶联 10 分钟。

条件:

解保

护条

件: