

TAMRA CPG 1000, 6-isomer

<http://cn.lumiprobe.com/p/tamra-cpg-1000-6>

6-TAMRA CPG (glycerol) is controlled pore glass (CPG) with the fluorescent dye 6-carboxytetramethylrhodamine (6-TAMRA) covalently attached via a glycerol linker. This support is designed for automated solid-phase oligonucleotide synthesis using the phosphoramidite method, allowing the introduction of a fluorescent label at the 3'-end without additional post-synthetic labeling steps.

The 1000 Å pore size is optimal for synthesizing long sequences — up to 100 nucleotides. 6-TAMRA is an orange-red fluorescent dye with absorption and emission maxima at 541 nm and 567 nm, respectively, and is widely used in molecular diagnostics. TAMRA-labeled oligonucleotides obtained with this reagent are employed in methods such as real-time PCR, fluorescence in situ hybridization (FISH), FRET, and surface-enhanced Raman spectroscopy (SERS).

外观: 深粉色珠子

质量控制: NMR ¹H, 寡核苷酸合成中的功能测试制:

储存条件: 收到后 -20°C 避光保存 24 个月。运输: 室温下最多可保存3周。干燥。避免长时间暴露在光线下。

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 541

收极大
值, 纳
米:

ϵ , 摩尔

吸光系
数, cm^2

发射极 567

大值,
纳米:

荧光量
子产率:

CF₂₆₀: 0.32

CF₂₈₀: 0.19

孔径大 1000

小, 埃:

典型载 30-40

荷, $\mu\text{mol/g}$

偶联条
件:

切割条
件: