

TET phosphoramidite, 6-isomer

<http://hk.lumiprobe.com/p/tet-amidite>

TET phosphoramidite for synthesis of fluorescently labeled oligonucleotides, pure 6-isomer.

TET (tetrachlorofluorescein) is a green-fluorescent fluorescein derivate (absorption maximum at 519 nm, emission maximum at 535 nm).

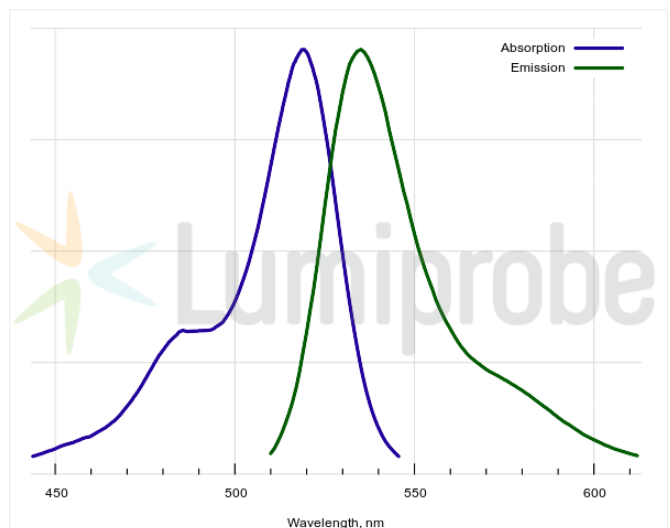
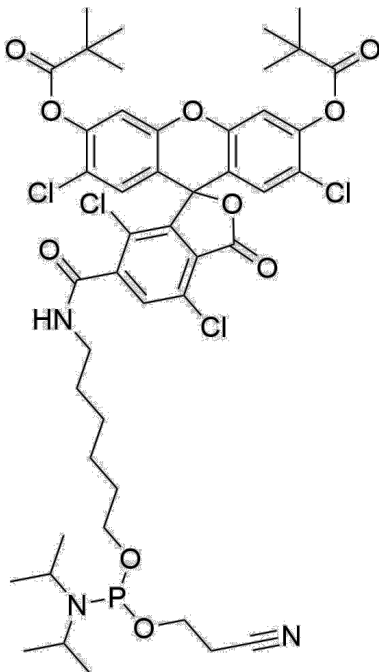
TET phosphoramidite is used for synthesis of fluorescently-labeled primers and hybridization probes for qPCR. TET can be used with DusQ1 fluorescence quencher (can be used with 500 Å [DusQ1 CPG 500](#)).

5'-labeled primers are used with non-labeled reverse primers for microsatellite amplification via PCR followed by fragment analysis. TET-labeled amplification products can be analyzed using various sequencers for capillary electrophoresis, including ABI PRISM® 310 Genetic Analyzer.

Recommendations for using the reagent:

Condensation: 3 min.

Deprotection: standard conditions with 25% ammonium hydroxide; deprotection time depends on oligonucleotide composition and nucleobase protecting groups (deprotection for 17 hours at 55°C removes all protecting groups from standard nucleobases). AMA (solution of 30% ammonium hydroxide/40% aqueous methylamine 1:1 v/v) can be used with ~5% non-fluorescent side product forming. To avoid formation of the side product, start deprotection with ammonium hydroxide (30 min at room temperature), then add an equal volume of 40% aqueous methylamine and continue deprotection as required with AMA (10 min at 65°C).



外观:

分子 981.72

量:

CAS 877049-90-6

编号:

分子 $C_{46}H_{54}N_3Cl_4O_{10}P$

式:

IUPAC 2',4,7,7'-tetrachloro-6-(((6-(((2-cyanoethoxy)(diisopropylamino)phosphaneyl)oxy)hexyl)carbonyl)-3-oxo-3H-spiro[isobenzofuran-1,9'-xanthene]-3',6'-diyl
名称: bis(2,2-dimethylpropanoate)

溶解度:

质量控制:

储存条件:

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/吸收极大值, 纳米: 519

ε, 摩尔吸光系数 ϵ_{M} :

100000

发射极大值, 纳米:

535

荧光量子产率:

0.47

CF_{260} : 0.17

CF_{280} : 0.09

稀释剂: