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TET phosphoramidite, 6-isomer

http://cn.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).

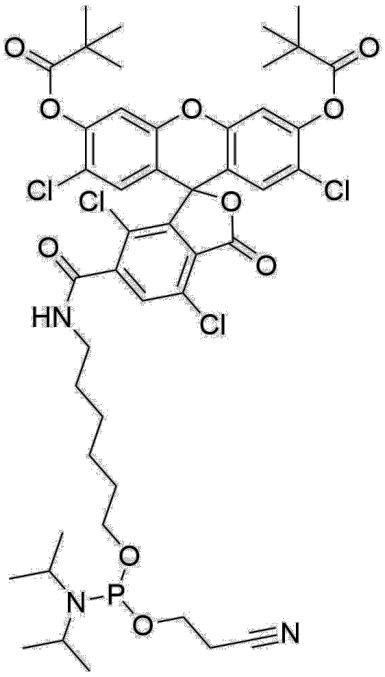
TET phosphoramidite is used for synthesis of fluorescently-labeled primers and hybridization probes for qPCR. TET can be used with DusQ1 fluorescence quencher (can be used with 500 Å DusQ1 CPG 500).

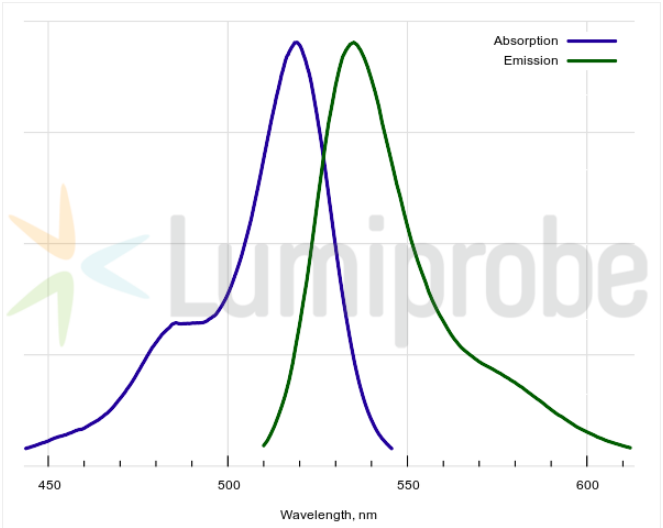
5’-labeled primers are used with non-labeled reverse primers for microsatellite amplification via PCR followed by fragment analysis. TET-labeled amplification products can be analyzed using various sequencers for capillary electrophoresis, including ABI PRISM® 310 Genetic Analyzer.

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:

分子量: 981.72

CAS 编号: 877049-90-6

分子式: $C_{46}H_{54}N_3Cl_4O_{10}P$

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