

## TET phosphoramidite, 6-isomer

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

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

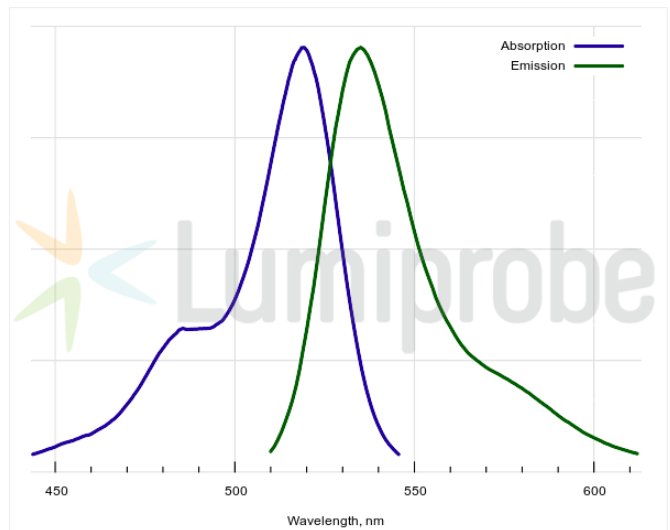
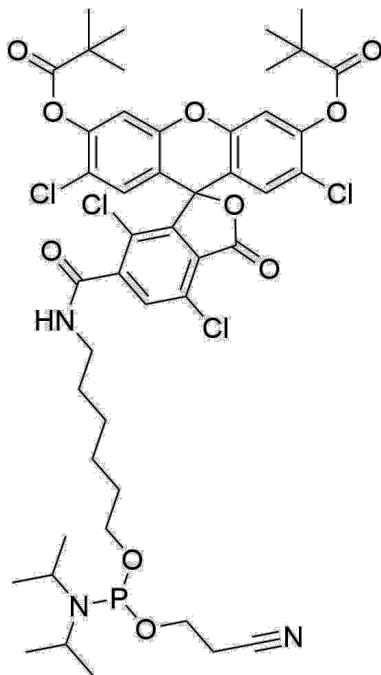
TET (tetrachlorofluorescein) is a green-fluorescent fluorescein derivate (absorption maximum at 519 nm, emission maximum at 535 nm).

TET phosphoramidite is used for synthesis of fluorescently-labeled primers and hybridization probes for qPCR. TET can be used with DusQ<sup>®</sup> 1 fluorescence quencher (can be used with 500 Å [DusQ<sup>®</sup> 1CPG 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<sup>®</sup> 310 Genetic Analyzer.

## Recommendations for using the reagent:

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<sub>46</sub>H<sub>54</sub>N<sub>3</sub>Cl<sub>4</sub>O<sub>10</sub>P

式:

IUPAC 2',4',7',7'-tetrachloro-6-(((6-(((2-cyanoethoxy)(diisopropylamino)phosphaneyloxy)hexyl)carbamoyle)-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 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  
声明: 断、人类或动物用途，以及商业用途。

激发/ 519

吸收  
极大  
值,  
纳米:

$\epsilon$ , 摩 100000

尔吸  
光系  
数  $m^2$

发射 535

极大  
值,  
纳米:

荧光 0.47

量子  
产率:

$CF_{260}$ : 0.17

$CF_{280}$ : 0.09

稀释

剂:

偶联 耦合: 3 分钟。

条件:

解保

护条

件: