

SIMA-dT phosphoramidite, 6-isomer

<http://hk.lumiprobe.com/p/sima-dt-amidite-6>

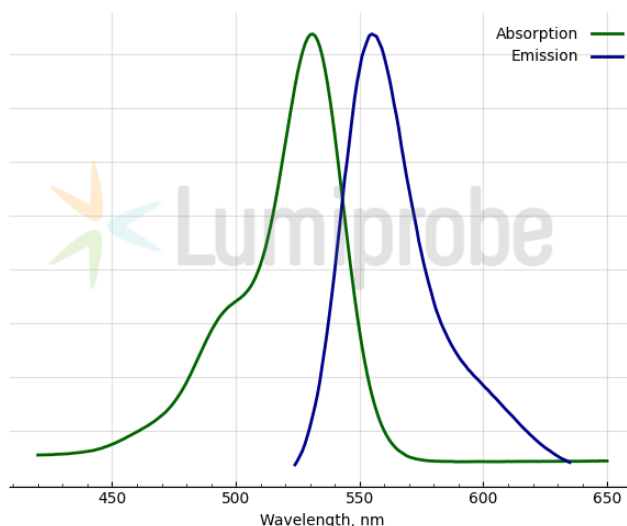
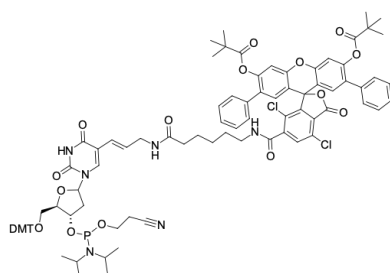
SIMA-dT phosphoramidite is used to introduce SIMA in the sequence during oligonucleotide synthesis, usually as a substitute for the native dT linkage.

SIMA is known to be much more stable than HEX in basic media thus deprotection in harsh conditions using ammonium hydroxide (up to 6-8 hours at 55 °C) is possible as well as AMA at room temperature or at 65 °C.

Recommendations for using the reagent:

Coupling: 6 minutes coupling time recommended.

Deprotection: standard method recommended, can be deprotected with AMA (1:1 mixture of concentrated aqueous ammonium hydroxide / 40% aqueous methylamine).



外观:

分子量: 1646.67

分子式: $C_{91}H_{95}Cl_2N_6O_{17}P$

溶解度:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 531

ϵ , 摩尔吸光系数, cm^{-1} : 92300

发射极大值, 纳米: 555

荧光量子产率: 0.63

CF_{260} : 0.57

CF_{280} : 0.18

稀释剂:

偶联条件:

解保护条件: