

#### **Lumiprobe Corporation**

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# **TFA-aminolinker C6 phosphoramidite**

http://www.lumiprobe.com/p/tfa-aminolink-phosphoramidite

This product will be discontinued soon in favor of <u>DMS(O)MT aminolink C6</u>. We may still have some material in stock (please see availability above).

N-trifluoroacetyl (TFA) protected aminolink C6 phosphoramidite for the synthesis of 5'-amino-modified oligonucleotides. TFA protection is smoothly removed during ammonia deprotection, and does not require any additional steps. If necessary, the resulting oligonucleotides can be purified by ion exchange chromatography, or gel electrophoresis.

5'-terminal amino modified oligos are used for the production of DNA arrays, and for subsequent 5'-terminal modification with NHS esters.

### Structure of TFA aminolink C6 phosphoramidite

#### **General properties**

Appearance: colorless to yellowish liquid

Molecular weight: 413.42

CAS number: 133975-85-6 Molecular formula:  $C_{17}H_{31}N_3F_3O_3P$ 

Solubility: good in acetonitrile, THF, DCM

Quality control: NMR <sup>1</sup>H, NMR <sup>31</sup>P, functional testing

Storage conditions: Storage: 12 months after receival at -20°C in the dark. Transportation: at room temperature for up

to 3 weeks. Desiccate.

## Oligo synthesis details

Diluent: acetonitrile

Coupling conditions: standard coupling, identical to normal nucleobases

Deprotection conditions: identical to protected nucleobases