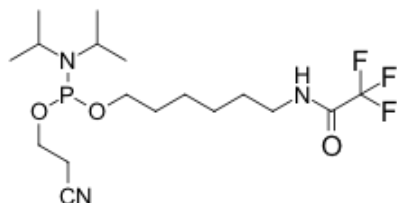


## TFA-aminolinker C6 phosphoramidite

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 aminolinker C6 phosphoramidite**

### General properties

|                     |  |
|---------------------|--|
| Appearance:         | colorless to yellowish liquid  |
| Molecular weight:   | 413.42   |
| CAS number:         | 133975-85-6  |
| Molecular formula:  | C <sub>17</sub> H <sub>31</sub> N <sub>3</sub> F <sub>3</sub> O <sub>3</sub> P   |
| 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 receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. |
| TN VED Code:        | 3822000000   |

### Oligo synthesis details

|                          |  |
|--------------------------|--|
| Diluent:                 | acetonitrile                                       |
| Coupling conditions:     | standard coupling, identical to normal nucleobases |
| Deprotection conditions: | identical to protected nucleobases                 |