

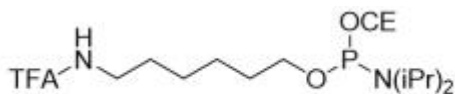
5' TFA-Amino C6 Modifier (TFA-6-Aminoethyl Amidite)

Article number: KF-YG0874

specification: 250mg

Product information

Structural formula:



Product description

TFA-aminoethylphosphoramidite can be used to introduce a functional amino group at the 5'-end of oligonucleotides. Cleave the base-ile TFA protecting group in solution using standard deprotection and cleavage conditions.

Synthesis conditions

Before diluting, ensure all products are at the bottom of the vial. Dilute to the recommended concentration and mix thoroughly in a sealed vial to ensure all contents dissolved.

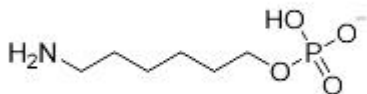
Dilution: 100 μmol/mL



de-protection conditions

The deprotection conditions for this phosphoramidite will depend on the type of phosphoramidite used to synthesize the oligomer. If a fastdeprotecting phosphoramidite is used, deprotection is carried out in concentrated NH_4OH at 60°C for 1 hour. If a standard phosphidite is used, deprotection is carried out in concentrated NH_4OH at 60°C for 5 hours. The TFA group will be removed during the ammonia deprotection. During the ammonia deprotection process, base-labile protecting groups are removed. The crude functionalized 5'-amino oligomer can be reacted with the labeled compound, then purified using RP column purification.

Image of the cleavage and deprotection structure:



Product Nature

Molecular formula: $\text{C}_{17}\text{H}_{31}\text{F}_3\text{N}_3\text{O}_3\text{P}$

Molecular weight: 413.42

CAS number: 13375-85-6

Appearance: Colorless oil





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Transportation and storage

Transport conditions: Cold

Storage conditions: Store at -20° C

