

Product datasheet

Alkyne Phosphoramidite, 5'-terminal, for the synthesis of oligonucleotides ab235034

Overview

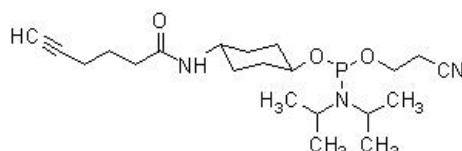
Product name	Alkyne Phosphoramidite, 5'-terminal, for the synthesis of oligonucleotides
Description	Phosphoramidite for the synthesis of oligonucleotides with 5'-terminal alkyne for Click Chemistry.
Biological description	

Phosphoramidite for the synthesis of oligonucleotides with 5'-terminal alkyne for Click Chemistry. Easier to handle and dispense, and more stable compared to 5'-hexynyl phosphoramidite, 5'-butynyl-CEP, and other 5'-terminal alkyne phosphoramidites. Use acetonitrile as diluent. A 5 minute coupling time is recommended using standard nucleobase conditions. 5'-deprotection not needed due to lack of 5'-terminal DMT group. Oligonucleotides can be deblocked under standard conditions and purified by PAGE or HPLC ion-exchange chromatography.

Purity > 95%

CAS Number 1417539-32-2

Chemical structure



Properties

Chemical name trans-4-(5-Hexynylamino)cyclohexyloxy-N,N-diisopropylamino-2-cyanoethoxyphosphine

Molecular weight 409.50

Molecular formula C₂₁H₃₆N₃O₃P

Storage instructions Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.

Solubility overview Acetonitrile (good solubility)
Dichloromethane (good solubility)

Handling Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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