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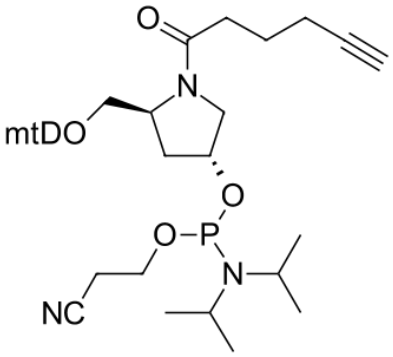
Alkyne Amidite, hydroxyprolinol

http://www.lumiprobe.com/p/alkyne-amidite-pro

Phosphoramidite for the synthesis of alkyne-modified oligonucleotides. Oligonucleotides can be used for Click Chemistry modification (see the protocol).

Diluent for this amidite is acetonitrile, 5 min coupling time is recommended. Standard deprotection conditions can be used for oligonucleotides.

Oligonucleotides can be purified by HPLC or cartridges due to the presence of dimethoxytrityl group, as well as by PAGE.



Alkyne amidite structure

General properties

Appearance:	colorless semisolid
Molecular weight:	713.84
CAS number:	1357289-02-1
Molecular formula:	$C_{41}H_{52}N_3O_6P$
IUPAC name:	Phosphoramidous acid, N,N-bis(1-methylethyl)-, (3R,5S)-5-[[bis(4-methoxyphenyl)phenylmethoxy] methyl]-1-(1-oxo-5-hexyn-1-yl)-3-pyrrolidinyl 2-cyanoethyl ester
Solubility:	good in acetonitrile and dichloromethane
Quality control:	NMR ^{1}H (95 %) and ^{31}P, HPLC-MS
Storage conditions:	Storage: 12 months after receival at -20°C. Transportation: at room temperature for up to 3 weeks. Desiccate.
TN VED Code:	3822000000