

## 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**

colorless semisolid
713.84
1357289-02-1
$C_{41}H_{52}N_3O_6P$
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
good in acetonitrile and dichloromethane
NMR <sup>1</sup> H and <sup>31</sup> P, HPLC-MS (95 %)
Storage: 12 months after receival at -20°C. Transportation: at room temperature for up to 3 weeks. Desiccate.
This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

## **Oligo synthesis details**

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