

# phosphoramidite chemistry reagents

Oligonucleotides synthesis reagents

## Products description

### \* Reagents for Oligonucleotides synthesis

**Long trebler amidite** FY3050, 250mg <sup>(M)</sup>

MW: 1475.78

See Technical Sheet [FY3050](#) ()

Long trebler amidite is a branching phosphoramidite reagent allowing to synthesize branched DNA structures using standard oligonucleotide synthesizer using phosphoramidite chemistry.

After condensation of trebler (Coupling time 5 min, but 10 min recommended for multiple condensations), three DNA branches begin to grow simultaneously with each step of the synthesis.

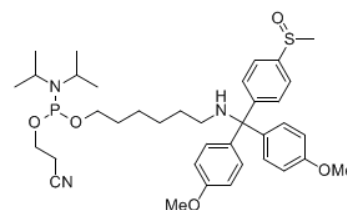
Repetitive condensations result in formation of various DNA dendrimers.

Oligonucleotide synthesis conditions: compatible with all synthesizers using phosphoramidite chemistry

Coupling time: 5 min, 10 min recommended for multiple condensations

Deblock: conditions Standard (6h in aq. ammonia at 60°C)

Oligo purification: HPLC or PAAG



**DMS(O)MT aminolink C6** FY3040, 250mg <sup>(M)</sup>

MW: 681.86

See technical Sheet [FY3040](#) ()

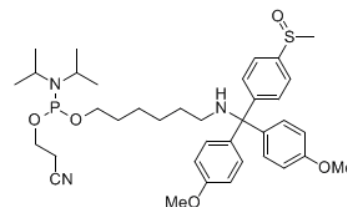
DMS(O)MT is a special protective group designed for facile purification of amino-modified oligonucleotides on cartridges compatible with all synthesizers using phosphoramidite chemistry. The use of this protective group ensures higher oligonucleotide recovery than in case of MMT-protected amino-oligos. Standard deblocking condition is 6h in aq. ammonia at 60°C.

Oligonucleotide synthesis conditions: compatible with all synthesizers using phosphoramidite chemistry

Coupling time: standard recommended by synthesizer manufacturer

Deblock conditions: Standard (6h in aq. ammonia at 60°C)

Oligo purification: Cartridges, HPLC or PAAG



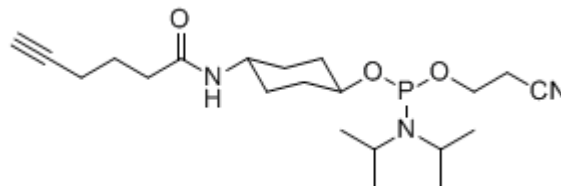
FT-FY3051

## \* ALKYNE reagents – for Oligonucleotides synthesis

**Alkyne Amidite, 5'-terminal** ZL5500, 250mg

MW: 409.50

See technical sheet [ZL5500](#) ()



Amidite for the synthesis of alkyne-modified oligonucleotides containing 5'-terminal modification. Oligonucleotides can be used for Click Chemistry modification (see or download protocol).

Oligonucleotide synthesis conditions:

compatible with all synthesizers using phosphoramidite chemistry.

Coupling for 5min is recommended.

Deblocking: Standard (6h in aq. ammonia at 60°C)

Oligo purification: PAAG electrophoresis or HPLC

Oligo storage: not different from standard oligonucleotides

**Alkyne Amidite, hydroxyprolinol** ZL5510, 250mg

MW: 713.84

See technical sheet [ZL5510](#) ()

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

Oligos can be cartridge-purified with high throughput due to presence of dimethoxytrityl group. colourless semi-solid

Oligonucleotide synthesis conditions: compatible with all synthesizers using phosphoramidite chemistry

Coupling time: 5 min recommended

Deblock: conditions Standard (6h in aq. ammonia at 60°C)

Oligo purification: PAAG electrophoresis, HPLC, or cartridge

Oligo storage: not different from standard oligonucleotides

## Related products

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

## Legals

For any information, please contact Uptima at [uptima@interchim.com](mailto:uptima@interchim.com), or Interchim, 213 av.J.F.kennedy, 03103 Montluçon, fax :+33 4 70 03 82 60, hotline Interbiotech : +33 4 70 03 76 06

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