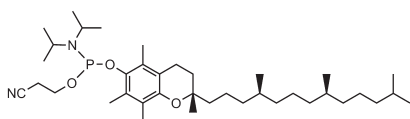


New Products

Spring 2011

5'-Tocopherol-CE Phosphoramidite

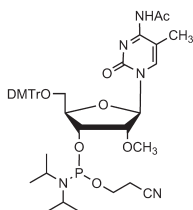
An extension to our line of hydrophobic modifiers, based on Vitamin E (**2163**). This is used to introduce tocopherol at the 5'-end of the oligo, either directly on the 5'-OH of the final base or in conjunction with a spacer or linker such as spacer 18 or C6 S-S thiol. The latter will enable the tocopherol to be cleaved via the disulphide bridge, for example once the oligo has been delivered to the cell.



2163

Modified RNA Phosphoramidites

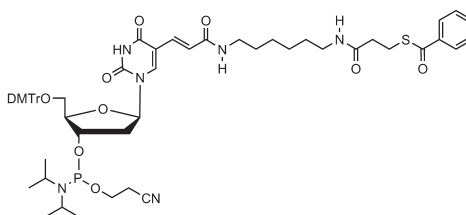
Increasingly researchers are looking for modifications to RNA-type molecules to extend the experimentation available. The first of several new RNA products we are introducing is 2'-OMe-5-Me-N-Ac-C (**2192**).



2192

Bz-S-dT-CE Phosphoramidite

Although thiol-modified oligonucleotides are routinely used to introduce labels such as dyes, haptens and enzymes via reaction with maleimides or acetamides, this method has been limited to the 5' or 3' end of the oligonucleotide. The use of thiol reactive labels for internal modification until now required the conversion of an amino functionality, e.g. amino dT with thioctic acid. We have developed a thiol dT modification (**2191**) that can be incorporated within an oligonucleotide sequence and react directly with maleimides and acetamides.

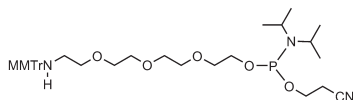


2191



5'-MMT-Amino-Modifier-11-CE Phosphoramidite

Thiol and amino linkers are widely used as a means of post-synthetically labelling oligonucleotides. In general these are hydrophobic in nature but are often used in conjunction with hydrophilic spacers such as HEG (spacer 18) and spacer 9. We recently introduced hydrophilic thiol (**2187**) and TFA-amino (**2182**) linkers that alleviate the need for the additional hydrophilic spacer. We are now introducing a MMT-protected analogue of the amino product (**2193**) which allows oligo purification based on exploiting the trityl group.



2193

Standard Polystyrene Columns ABI3900/MM48

Bz-dA, Bz-dC, Ac-dC, iBu-dG, dmf-dG and dT supplied as packs of 50 or 200.

Modified Polystyrene Columns and Bulk

Universal-Q, 3'-Spacer and 3'-Phosphate. Supplied either in columns or bulk.

TOP-RNA & TOP-DNA Purification Cartridges

A range of Agilent products that offers rapid, efficient purification of oligonucleotides.

Further Information

For further information on any of these products, please see our website at www.linktech.co.uk, email sales@linktech.co.uk or speak to your sales representative.