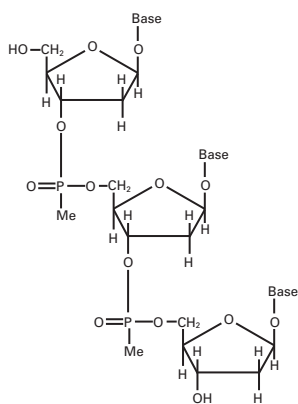


2'-O-Methyl-RNA

Description

Oligonucleotides with methyl group at their 2'-O-position.



These molecules carry a methyl group at the 2'-OH residue of the ribose molecule. 2'-O-Me-RNAs show the same behavior as DNA, but are protected against nuclease degradation.

Such oligonucleotides form more stable hybrids with complementary RNA strands compared to DNA or

RNA. They are extremely efficient in blocking RNA functions or, if modified with a specific label (i.e. biotin), they can be used in affinity purification of specific RNAs.

2'-O-Me-RNAs can be combined with phosphothioate chemistry for further stabilization.

Advantages

- behave like DNA molecules
- high stability
- nuclease resistant
- form hybrids with RNA (more stable than RNA: RNA and DNA: RNA)

Applications

- antisense assays to block RNA functions
- affinity purification of RNA

Product offering

2'-O-Methyl-RNA is available at the scales 0,2 μmol and 1,0 μmol .

Easily order via the web:
www.thermo.com/oligos or via email:
sales.oligos@thermo.com

In addition to these offices, Thermo Fisher Scientific maintains a network of representative organizations throughout the world.

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