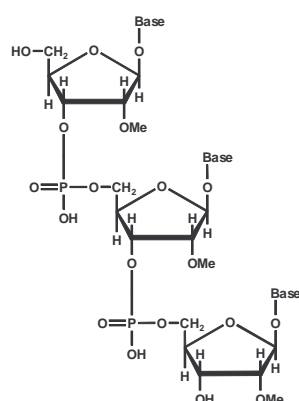


2'-O-Methyl-RNA

Description

Oligonucleotides with methyl group at their 2' 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 (p.e. biotin), they can be used in affinity purification of specific RNAs. 2'-O-Me-RNAs can be combined with phosphothioate oligonucleotides (PTOs) for further stabilization.

Advantages

- behave like DNA molecules (stability)
- nuclease resistant
- form stable 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 μ mol and 1,0 μ mol.

Easily order via the web:

www.thermo.com/oligos

or via email:

sales.oligos@thermo.com

Contact us:

Thermo Electron GmbH

Sedanstrasse 18

89077 Ulm

Germany

phone

+ 49 (0)731 93579 290

fax

+ 49 (0)731 93579 291

email

services.biopolymers@thermo.com

web page

www.thermo.com/biopolymers

2004 Thermo Electron Corporation.

All rights reserved.