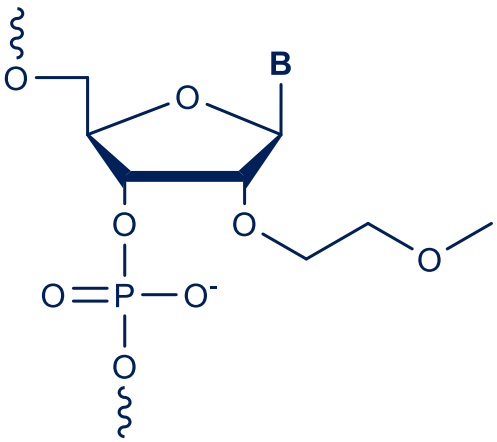
2’-O-MOE

Oligonucleotides

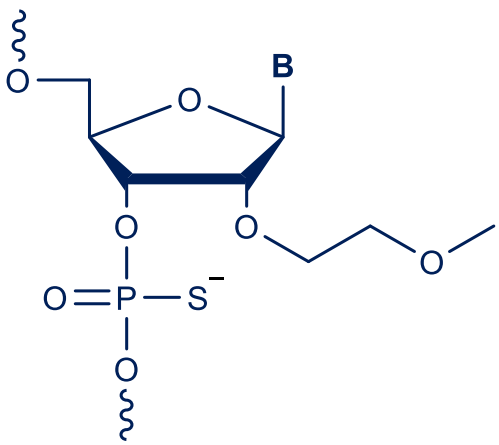
DESCRIPTION

2'-O-(2-Methoxyethyl) RNA or 2’-O-MOE RNA is a nucleic acid analogue with promising features for Life Sciences applications. The only difference to normal RNA is the methoxy-ethyl residue attached to the 2’-O-position. This modification provides better target binding affinity, which makes it a very efficient molecule for antisense applications. We offer 2’-O-MOE with phosphodiester or phosphorothioate linkages. Phosphorothioate bonds are phosphodiester analogues in which the non-bridging oxygen has been replaced by sulphur, increasing resistance against nuclease digestion.

STRUCTURE



2’-O-MOE with
Phosphodiester Linkage
B = A, C, G, T



2’-O-MOE with
Phosphorothioate Linkage
B = A, C, G, T

SynGenis

www.syngenis.com

2’-O-MOE – Oligonucleotides

BENEFITS

- Higher binding affinity towards its complementary target
- Offers an enhanced biological half-life
- Very good for antisense oligonucleotide designs

ORDERING INFORMATION		
Product – Synthesis code	**Product #**	**Synthesis scale & other scales on request**
2’-O-MOE RNA – moA, moG, moC, moT	MOE01-200	200 nmol
	MOE01-M01	1 µmol
	MOE01-M02	2 µmol
	MOE01-M05	5 µmol
	MOE01-M10	10 µmol
2’-O-MOE RNA + Phosphorothioate linkage – moA*, moG*, moC*, moT*	MOE02-200	200 nmol
	MOE02-M01	1 µmol
	MOE02-M02	2 µmol
	MOE02-M05	5 µmol
	MOE02-M10	10 µmol

HOW TO ORDER

- ONLINE: https://www.syngenis.com/get-quote/
- EMAIL: Please send your request to info@syngenis.com

SynGenis

www.syngenis.com