

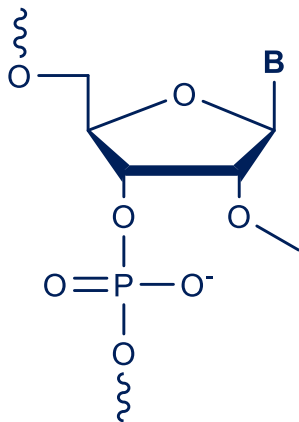
# 2'-OMe

## Oligonucleotides

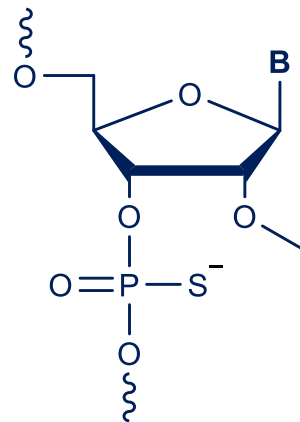
### DESCRIPTION

2'-O-Methyl-RNA or 2'-OMe modified oligos are more chemically stable compared to regular RNA, which makes them attractive chemistry for antisense, siRNA or miRNA therapeutic applications. They have increased thermal stability, resistance to nucleases. We offer 2'-OMe 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 Phosphorothioate bonds are phosphodiester analogues in which the non-bridging oxygen has been replaced by sulphur, increasing resistance against nuclease digestion.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'-OMe with Phosphodiester Linkage  
B = A, C, G, U



2'-OMe with Phosphorothioate Linkage  
B = A, C, G, U

# 2'-OMe – Oligonucleotides

## BENEFITS

Increased affinity to complementary RNA targets

Increased nuclease resistance

Good for antisense, siRNA and miRNA designs

## ORDERING INFORMATION

Product – Synthesis code	Product #	Synthesis scale & other scales on request
2'-OMe RNA – mA, mG, mC, mU	OME01-200	200 nmol
	OME01-M01	1 µmol
	OME01-M02	2 µmol
	OME01-M05	5 µmol
	OME01-M10	10 µmol
2'-OMe RNA + Phosphorothioate linkage – mA*, mG*, mC*, mU*	OME02-200	200 nmol
	OME02-M01	1 µmol
	OME02-M02	2 µmol
	OME02-M05	5 µmol
	OME02-M10	10 µmol

## HOW TO ORDER

- ONLINE: <https://www.syngenis.com/get-quote/>
- EMAIL: Please send your request to [info@syngenis.com](mailto:info@syngenis.com)