

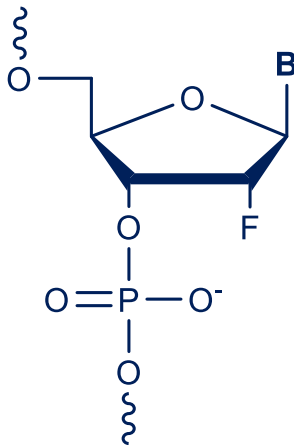
# 2'-Fluoro-RNA

## Oligonucleotides

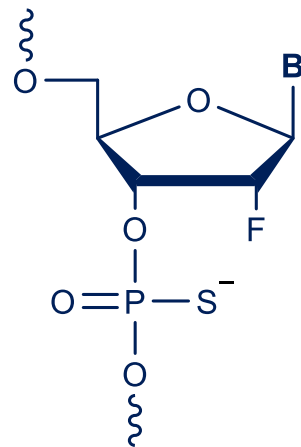
### DESCRIPTION

2'-Fluoro-RNA (2'F-RNA) contains a highly electronegative fluorine molecule at the 2'-ribose position resulting in a ring with C3'-endo conformation. Therefore, the oligonucleotide adopts stable A-form helix on hybridization to a target. This modification is particularly useful as antisense molecules, aptamers, siRNAs and miRNAs molecules. We offer 2'-Fluoro-RNA 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 Phosphorothioate bonds are phosphodiester analogues in which the non-bridging oxygen has been replaced by sulphur, increasing resistance against nuclease digestion.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'-Fluoro-RNA with  
Phosphodiester Linkage  
B = A, C, G, U



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

# 2'-Fluoro-RNA – Oligonucleotides

## BENEFITS

Increased binding affinity to target sequence

Increased nuclease resistance

Useful for aptamers, siRNAs and miRNAs designs

## ORDERING INFORMATION

Product – Synthesis code	Product #	Synthesis scale & other scales on request
2'F-RNA – fA, fG, fC, fU	FRNA01-200	200 nmol
	FRNA01-M01	1 µmol
	FRNA01-M02	2 µmol
	FRNA01-M05	5 µmol
	FRNA01-M10	10 µmol
2'F-RNA + Phosphorothioate linkage – fA*, fG*, fC*, fU*	FRNA02-200	200 nmol
	FRNA02-M01	1 µmol
	FRNA02-M02	2 µmol
	FRNA02-M05	5 µmol
	FRNA02-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)