



Product Specifications

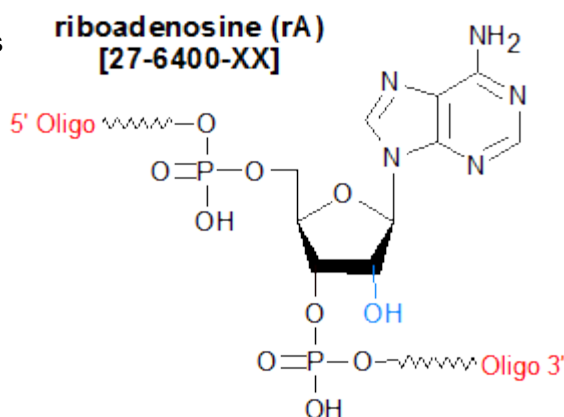
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

rN RNA Bases

Category	RNA Oligo Synthesis
Modification Code	rN
Reference Catalog Number	27-6400N
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	330



RNA contains a ribose sugar instead of a deoxyribose and a Uracil bases instead of Thymine in DNA. The presence of the –OH group at the 2'-position of the ribose results in RNA being less stable to DNA (which lacks –OH groups at this position), because this 2'-hydroxyl group can chemically attack the adjacent phosphodiester bond in the sugar-phosphate backbone of RNA, leading to cleavage of the backbone structure. rA forms a Watson-Crick base pair with rU (ribouridine/uridine) in RNA duplexes, and dT (deoxythymidine) in RNA-DNA duplexes.