

## 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.

## rA RNA Base

Category	RNA Oligo Synthesis	riboadenosine (rA) NH <sub>2</sub>
Modification Code	rA	N N
Reference Catalog Number	27-6400A	5' Oligo \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
5 Prime	Υ	OH O
3 Prime	Υ	On C
Internal	Υ	OOH
Molecular Weight(mw)	329.21	0=P-0-7000 Oligo 3
		OH

Riboadenosine, or adenosine (rA) is a purine ribonucleoside, and is one of the four standard ribonucleosides that compose an RNA molecule. 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.

