

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.

rU RNA Base

Category	RNA Oligo Synthes	is o
Modification Code	rU	NH NH
Reference Catalog Number	27-6400U	5'- Oligo
5 Prime	Υ	OH OH
3 Prime	Υ	О ОН
Internal	Υ	 O=P-O -
Molecular Weight(mw)	306.17	ੰ∺ ribouridine (rU) [27-6400-XX]

Ribouridine, or uridine (rU) 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. rU forms a Watson-Crick base pair with rA (riboadensoine/adenosine) in RNA duplexes, and dA (deoxyadenosine) in RNA-DNA duplexes.

