



Product Specifications

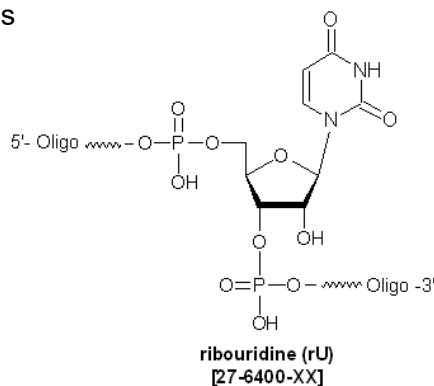
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

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

rU RNA Base

| | |
|--------------------------|---------------------|
| Category | RNA Oligo Synthesis |
| Modification Code | rU |
| Reference Catalog Number | 27-6400U |
| 5 Prime | Y |
| 3 Prime | Y |
| Internal | Y |
| Molecular Weight(mw) | 306.17 |



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 (riboadenosine/adenosine) in RNA duplexes, and dA (deoxyadenosine) in RNA-DNA duplexes.