

## Product Information

### 1-( $\alpha$ -D-Ribofuranosyl)uracil

**Cat. No.:** X24-03-LY085

**Size:** 50 mg; 100 mg; 250 mg; 500 mg; 1 g; 5 g

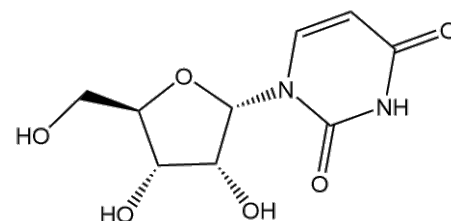
**MDL:** MFCD17430297

**CAS Number:** 3258-07-09

**PubChem CID:** 1521749

**Synonym:** 3258-07-09;  $\alpha$ -D-Ribofuranoside, 2, 4(1*H*, 3*H*)-pyrimidinedione-1

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	1-( $\alpha$ -D-Ribofuranosyl)uracil is a nucleoside analog composed of adenine and D-ribose.
<b>Molecular Weight</b>	244.20
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>6</sub>
<b>IUPAC Name</b>	1-[(2 <i>S</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i> )-3, 4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2, 4-dione
<b>InChI</b>	InChI=1S/C9H12N2O6/c12-3-4-6(14)7(15)8(17-4)11-2-1-5(13)10-9(11)16/h1-2, 4, 6-8, 12, 14-15H, 3H2, (H, 10, 13, 16)/t4-, 6-, 7-, 8+/m1/s1
<b>InChI Key</b>	DRTQHJPVMGBUCF-JBBNEOJLSA-N
<b>Canonical SMILES</b>	C1=CN(C(=O)NC1=O)C2C(C(C(O2)CO)O)O
<b>Isomeric SMILES</b>	C1=CN(C(=O)NC1=O)[C@@H]2[C@@H]([C@@H]([C@H](O2)CO)O)O
<b>Form</b>	White to off-white solid
<b>Purity</b>	≥97%
<b>Applications</b>	1-( $\alpha$ -D-Ribofuranosyl)uracil acts as a signaling molecule involved in a variety of cellular signaling pathways.
<b>Storage</b>	Store at -20°C.

#### Safety Information

<b>Personal Protective Equipment</b>	Gloves, eyeshields, N95 mask
<b>Hazard Statements</b>	H302-H315-H319-H335