

## Product Information

### L-Uridine

**Cat. No.:** X24-03-LY010

**Size:** 100 mg; 250 mg; 1 g; 5 g; 10 g

**MDL:** MFCD02683606

**CAS Number:** 26287-69-4

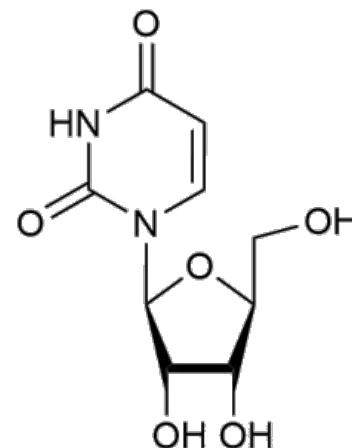
**PubChem CID:** 466466

**Synonym:** 26287-69-4; 1-((2S, 3S, 4R, 5S)-3,

4-Dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2, 4(1H, 3H)-dione;

1-[(2S, 3S, 4R, 5S)-3, 4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2, 4-dione

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



### Product Information

<b>Description</b>	L-Uridine is a nucleoside composed of ribose and the purine base uracil (U). It plays an important biological role in organisms and is one of the components of RNA.
<b>Molecular Weight</b>	244.2
<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-[(2S, 3S, 4R, 5S)-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-/m0/s1
<b>InChI Key</b>	DRTQHJPMGUBUCF-PSQAKQOGSA-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>	≥98%
<b>Applications</b>	L-Uridine has important applications as a component of RNA synthesis in drug development, medical diagnostics and the food industry.
<b>Storage</b>	Store at -20°C.

### Safety Information

**Personal Protective** Gloves, eyeshields, N95 mask



**Equipment**

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**Hazard Statements**      H302-H315-H319-H335

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