

## Product Information

### 2'-N3-2'-dU for nucleotide synthesis

**Cat. No.:** X24-04-QCY055

**Size:** 5 mg; 10 mg; 50 mg; 100 mg; 200 mg

**CAS Number:** 26929-65-7

**Compound CID:** 386489

**Synonym:** 26929-65-7; 2'-Azido-2'-deoxyuridine; 2'-Azido-2'-deoxyuridine-5'-triphosphate; Nucleotide synthesis reagent

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

#### Product Information

<b>Description</b>	2'-N3-2'-dU is a nucleoside analog that inhibits herpes simplex virus by preventing the conversion of viral ribonucleic acid (RNA) to messenger ribonucleic acid (mRNA) and protein.
<b>Molecular Weight</b>	269.22
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>11</sub> N <sub>5</sub> O <sub>5</sub>
<b>IUPAC Name</b>	1-[3-Azido-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2,4-dione
<b>InChI</b>	InChI=1S/C9H11N5O5/c10-13-12-6-7(17)4(3-15)19-8(6)14-2-1-5(16)11-9(14)18/h1-2,4,6-8,15,17H,3H2,(H,11,16,18)
<b>InChI Key</b>	MRUKYOQQKHNMFI-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CN(C(=O)NC1=O)C2C(C(C(O2)CO)O)N=[N+]=[N-]
<b>Form</b>	Powder
<b>Purity</b>	≥98%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Applications</b>	2'-N3-2'-dU can be used to research viral DNA replication as well as cell growth.
<b>Storage</b>	Store at 4°C.