

## Product Information

### Azido modified nucleoside 3'-N3-ddA

**Cat. No.:** X24-08-LY005

**Size:** 50 mg; 100 mg; 250 mg; 500 mg

**CAS Number:** 66323-44-2

**Compound CID:** 451362

**Synonym:** 66323-44-2; 3'-Azido-2',3'-dideoxyadenosine; 3'-Azido-ddA; 3'-AzddAdo;

[(2S,3S,5R)-5-(6-Aminopurin-9-yl)-3-azidooxolan-2-yl]methanol;

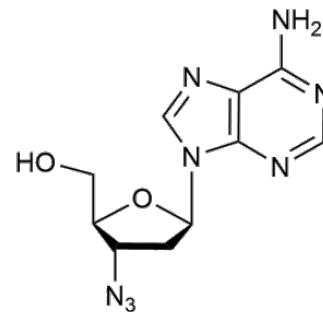
[(2S,3S,5R)-5-(6-Aminopurin-9-yl)-3-azido-tetrahydrofuran-2-yl]methanol;

3'-Azido-2'-deoxyadenosine;

[(2S,3S,5R)-5-(6-Amino-9H-purin-9-yl)-3-azidooxolan-2-yl]methanol;

((2S,3S,5R)-5-(6-Amino-9H-purin-9-yl)-3-azidotetrahydrofuran-2-yl)methanol;

9-(3-Azido-2,3-dideoxy-b-D-erythro-pentofuranosyl)adenine



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

### Product Information

<b>Description</b>	3'-N3-ddA is an azido modified nucleoside containing an oxidized adenine modifying group.
<b>Molecular Weight</b>	276.25
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>12</sub> N <sub>8</sub> O <sub>2</sub>
<b>IUPAC Name</b>	[(2S,3S,5R)-5-(6-Aminopurin-9-yl)-3-azidooxolan-2-yl]methanol
<b>InChI</b>	InChI=1S/C10H12N8O2/c11-9-8-10(14-3-13-9)18(4-15-8)7-1-5(16-17-12)6(2-19)20-7/h3-7,19H,1-2H2,(H2,11,13,14)/t5-,6+,7+/m0/s1
<b>InChI Key</b>	XDRZJDXXQHFAAE-RRKCRQDMSA-N
<b>Canonical SMILES</b>	C1C(C(OC1N2C=NC3=C(N=CN=C32)N)CO)N=[N+]=[N-]
<b>Isomeric SMILES</b>	C1[C@@H]([C@H](O[C@H]1N2C=NC3=C(N=CN=C32)N)CO)N=[N+]=[N-]
<b>Form</b>	Faint yellow crystal
<b>Purity</b>	≥98%, determined by HPLC.
<b>Applications</b>	3'-N3-ddA is commonly used as a DNA damage marker to study DNA damage repair mechanisms and cellular responses to DNA damage.
<b>Storage</b>	Store at 4°C.



## Safety Information

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

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