

## Product Information

### L-Guanosine

**Cat. No.:** X24-03-LY057

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g; 10 g

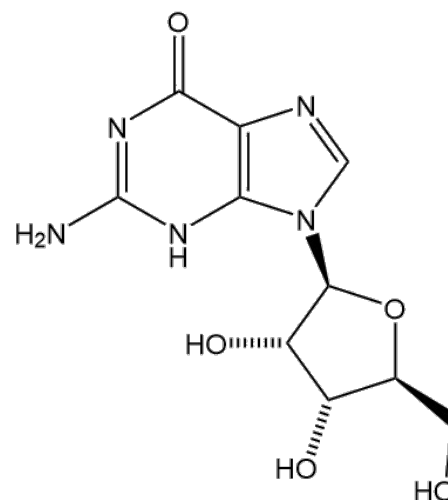
**MDL:** MFCD00064103

**CAS Number:** 26578-09-6

**PubChem CID:** 135484501

**Synonym:** 26578-09-6; 2-Amino-9-((2*S*, 3*S*, 4*R*, 5*S*)-3, 4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1*H*-purin-6(9*H*)-one;  
2-Amino-9-((2*S*, 3*S*, 4*R*, 5*S*)-3, 4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-3*H*-purin-6(9*H*)-one

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



### Product Information

<b>Description</b>	L-Guanosine is a DNA phosphoramidite monomer with amino and keto groups.
<b>Molecular Weight</b>	283.24
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub>
<b>IUPAC Name</b>	2-Amino-9-[(2 <i>S</i> , 3 <i>S</i> , 4 <i>R</i> , 5 <i>S</i> )-3, 4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-1 <i>H</i> -purin-6-one
<b>InChI</b>	InChI=1S/C10H13N5O5/c11-10-13-7-4(8(19)14-10)12-2-15(7)9-6(18)5(17)3(1-16)20-9/h2-3, 5-6, 9, 16-18H, 1H2, (H3, 11, 13, 14, 19)/t3-, 5-, 6-, 9-/m0/s1
<b>InChI Key</b>	NYHBQMYGNKIUIF-GIMIYPNGSA-N
<b>Canonical SMILES</b>	C1=NC2=C(N1C3C(C(C(O3)CO)O)O)N=C(NC2=O)N
<b>Isomeric SMILES</b>	C1=NC2=C(N1[C@@H]3[C@H]([C@H]([C@@H](O3)CO)O)O)N=C(NC2=O)N
<b>Form</b>	White to off-white solid
<b>Purity</b>	≥98%
<b>Applications</b>	L-Guanosine can be used in biotechnology, such as cell culture and tissue culture.
<b>Storage</b>	Store at -20°C.

### Safety Information

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



**Hazard Statements**

H302-H315-H320-H335

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