

## Product Information

### 2'-Amino-2'-deoxyinosine

**Cat. No.:** X24-03-LY039

**Size:** 250 mg; 1 g; 5 g; 10 g; 25 g; 100 g

**MDL:** MFCD09750831

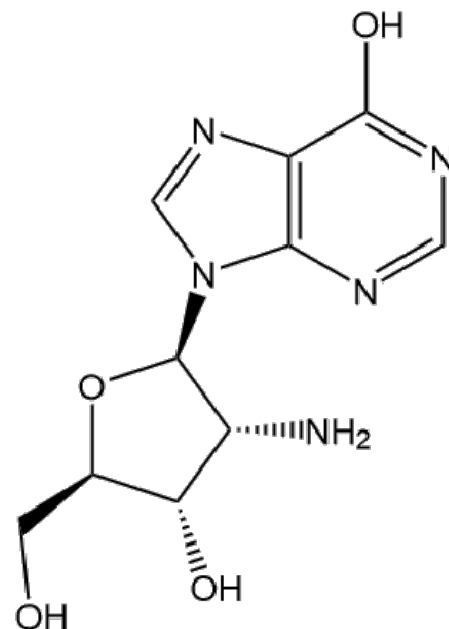
**CAS Number:** 75763-51-8

**PubChem CID:** 135618591

**Synonym:** 75763-51-8; Inosine, 2'-amino-2'-deoxy- (9CI); 2'-Deoxy-2'-amino-inosine; 9-((2*R*, 3*R*, 4*S*,

5*R*)-3-Amino-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-9*H*-purin-6-ol

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



#### Product Information

<b>Description</b>	2'-Amino-2'-deoxyinosine is an amino-modified nucleoside.
<b>Molecular Weight</b>	267.24
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
<b>IUPAC Name</b>	9-[(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i> )-3-Amino-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-1 <i>H</i> -purin-6-one
<b>InChI</b>	InChI=1S/C10H13N5O4/c11-5-7(17)4(1-16)19-10(5)15-3-14-6-8(15)12-2-13-9(6)18/h2-5, 7, 10, 16-17H, 1, 11H2, (H, 12, 13, 18)/t4-, 5-, 7-, 10-/m1/s1
<b>InChI Key</b>	PPLSURAOXNSSRH-QYYRPYCUSA-N
<b>Canonical SMILES</b>	C1=NC2=C(C(=O)N1)N=CN2C3C(C(C(O3)CO)O)N
<b>Isomeric SMILES</b>	C1=NC2=C(C(=O)N1)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)N
<b>Form</b>	White to off-white solid
<b>Purity</b>	≥98%
<b>Applications</b>	2'-Amino-2'-deoxyinosine can be used for research in areas such as DNA repair, gene expression and molecular biology.
<b>Storage</b>	Store at -20°C.

#### Safety Information



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

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**Hazard Statements**      H315-H319

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