

## Product Information

### 5'-Chloro-5'-deoxyadenosine

**Cat. No.:** X24-03-LY641

**Size:** 5 g; 10 g; 25 g; 100 g; 500 g; 1 kg

**MDL:** MFCD00049038

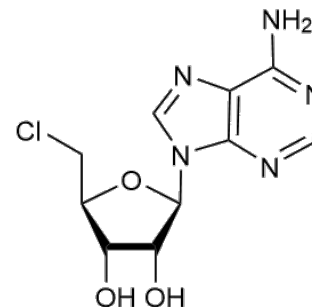
**CAS Number:** 892-48-8

**Compound CID:** 5327118

**Synonym:** 892-48-8; adenosine, 5'-chloro-5'-deoxy-;

(2*R*,3*R*,4*S*,5*S*)-2-(6-Aminopurin-9-yl)-5-(chloromethyl)oxolane-3,4-diol;

5'-Chloroadenosine



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

#### Product Information

<b>Description</b>	5'-Chloro-5'-deoxyadenosine is a chlorodeoxyadenosine with antiviral activity.
<b>Molecular Weight</b>	285.69
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>12</sub> ClN <sub>5</sub> O <sub>3</sub>
<b>IUPAC Name</b>	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> )-2-(6-Aminopurin-9-yl)-5-(chloromethyl)oxolane-3,4-diol
<b>InChI</b>	InChI=1S/C10H12ClN5O3/c11-1-4-6(17)7(18)10(19-4)16-3-15-5-8(12)13-2-14-9(5)16/h2-4,6-7,10,17-18H,1H2,(H2,12,13,14)/t4-,6-,7-,10-/m1/s1
<b>InChI Key</b>	IYSNPOMTKFZDHZ-KQYNXXCUSA-N
<b>Canonical SMILES</b>	C1=NC(=C2C(=N1)N(C=N2)C3C(C(C(O3)CCI)O)O)N
<b>Isomeric SMILES</b>	C1=NC(=C2C(=N1)N(C=N2)[C@H]3[C@@H]([C@@H]([C@H](O3)CCI)O)O)N
<b>Form</b>	Solid
<b>Purity</b>	≥96%
<b>Applications</b>	5'-Chloro-5'-deoxyadenosine can be used as a precursor compound in drug design and development.
<b>Storage</b>	Store at -20°C.