

## Product Information

### 8-Chloroadenosine

**Cat. No.:** X24-03-LY681

**Size:** 25 mg; 50 mg; 100 mg; 500 mg

**MDL:** MFCD01076457

**CAS Number:** 34408-14-5

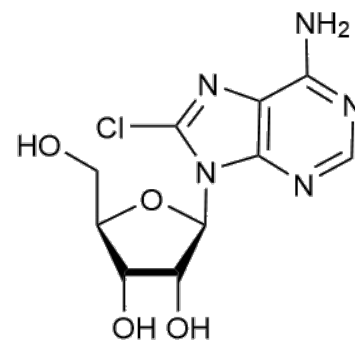
**Compound CID:** 147569

**Synonym:** 34408-14-5; 8-Cl-Ado;

(2*R*,3*R*,4*S*,5*R*)-2-(6-Amino-8-chloro-9*H*

-purin-9-yl)-5-(hydroxymethyl)tetrahydrofuran-3,4-diol;

2-(6-Amino-8-chloropurin-9-yl)-5-(hydroxymethyl)oxolane-3,4-diol



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

#### Product Information

<b>Description</b>	8-Chloroadenosine is a modified nucleoside with multiple biological activities.
<b>Molecular Weight</b>	301.69
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>12</sub> ClN <sub>5</sub> O <sub>4</sub>
<b>IUPAC Name</b>	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> )-2-(6-Amino-8-chloropurin-9-yl)-5-(hydroxymethyl)oxolane-3,4-diol
<b>InChI</b>	InChI=1S/C10H12ClN5O4/c11-10-15-4-7(12)13-2-14-8(4)16(10)9-6(19)5(18)3(1-17)20-9/h2-3,5-6,9,17-19H,1H2,(H2,12,13,14)/t3-,5-,6-,9-/m1/s1
<b>InChI Key</b>	MHDPPLULTMGBSI-UUOKFMHZSA-N
<b>Canonical SMILES</b>	C1=NC(=C2C(=N1)N(C(=N2)Cl)C3C(C(C(O3)CO)O)O)N
<b>Isomeric SMILES</b>	C1=NC(=C2C(=N1)N(C(=N2)Cl)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O)N
<b>Form</b>	Solid
<b>Purity</b>	≥98%
<b>Applications</b>	8-Chloroadenosine can be used for cell signaling pathways and drug development research.
<b>Storage</b>	Store at -20°C.