

## Product Information

### 2-Chloroadenosine

**Cat. No.:** X23-12-YM994

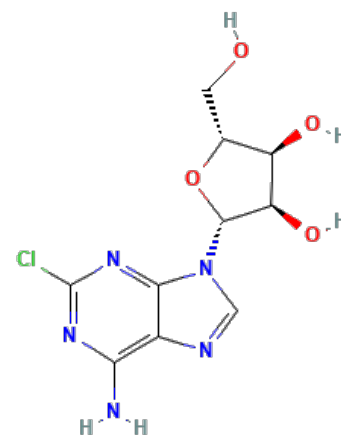
**Size:** 100 mg; 200 mg; 500 mg; 1 g

**CAS Number:** 146-77-0

**Compound CID:** 8974

**Synonym:** 146-77-0; CADO

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



#### Product Information

<b>Description</b>	2-Chloroadenosine (CADO) inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
<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-2-chloropurin-9-yl)-5-(hydroxymethyl)oxolane-3,4-diol
<b>InChI</b>	InChI=1S/C10H12ClN5O4/c11-10-14-7(12)4-8(15-10)16(2-13-4)9-6(19)5(18)3(1-17)20-9/h2-3,5-6,9,17-19H,1H2,(H2,12,14,15)/t3-,5-,6-,9-/m1/s1
<b>InChI Key</b>	BIXYYZIIJIXVFW-UUOKFMHZSA-N
<b>Canonical SMILES</b>	C1=NC2=C(N=C(N=C2N1C3C(C(C(O3)CO)O)O)Cl)N
<b>Isomeric SMILES</b>	C1=NC2=C(N=C(N=C2N1[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O)Cl)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	>98%
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	2-Chloroadenosine can be studied for its effect on inhibiting cell growth and inducing cell death in cancer cells.
<b>Storage</b>	Store at -20°C, and keep desiccated.