

Product Information

2-Chloroinosine

Cat. No.: X24-03-LY684

Size: 100 mg; 250 mg; 500 mg; 1 g; 10 g; 25 g

CAS Number: 13276-43-2

Compound CID: 135856077

Synonym: 13276-43-2;

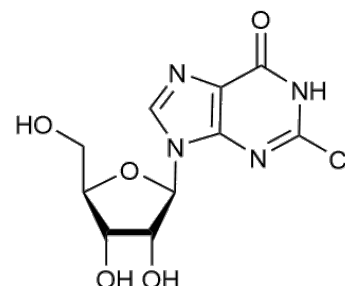
(2*R*,3*R*,4*S*,5*R*)-2-(2-Chloro-6-hydroxy-9*H*

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

2-Chloro-9-((2*R*,3*R*,4*S*,5*R*

)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1*H*-purin-6(9*H*)-one

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



Product Information

Description	2-Chloroinosine is a chlorinated nucleoside with a variety of biological activities.
Molecular Weight	302.67
Molecular Formula	C ₁₀ H ₁₁ ClN ₄ O ₅
IUPAC Name	2-Chloro-9-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-1 <i>H</i> -purin-6-one
InChI	InChI=1S/C10H11ClN4O5/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,(H,13,14,19)/t3-,5-,6-,9-/m1/s1
InChI Key	NDSPCQCIHGSIYAS-UUOKFMHZSA-N
Canonical SMILES	C1=NC2=C(N1C3C(C(C(O3)CO)O)O)N=C(NC2=O)Cl
Isomeric SMILES	C1=NC2=C(N1[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O)N=C(NC2=O)Cl
Form	Solid
Purity	≥98%
Applications	2-Chloroinosine can be used to inhibit the replication and transmission of a wide range of viruses, including influenza virus and hepatitis B virus.
Storage	Store at -20°C.