

## Product Information

### (2*R*,3*S*,5*R*)-2-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-5-(6-chloropurin-9-yl)oxolan-3-ol

**Cat. No.:** X24-03-LY309

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

**MDL:** MFCD01630978

**CAS Number:** 133931-96-1

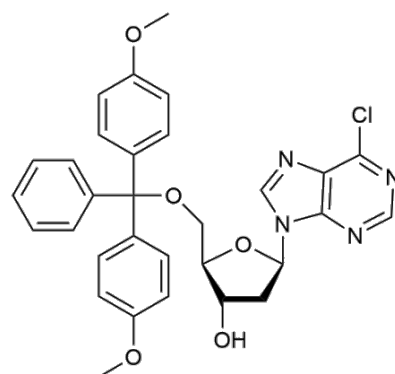
**Compound CID:** 14840107

**Synonym:** 133931-96-1;

9-[5-*O*-[Bis(4-methoxyphenyl)phenylmethyl]-2-deoxy-β-*D*-erythro-pentofuranosyl]-6-chloro-9*H*-purine;

6-Chloro-5'-*O*-(dimethoxytrityl)purine-2'-deoxyribose

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



#### Product Information

<b>Description</b>	(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i> )-2-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-5-(6-chloropurin-9-yl)oxolan-3-ol is a deoxyribonucleoside with a 6-chloro group and a protecting group (dimethoxytrityl).
<b>Molecular Weight</b>	573.04
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>29</sub> ClN <sub>4</sub> O <sub>5</sub>
<b>IUPAC Name</b>	(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i> )-2-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-5-(6-chloropurin-9-yl)oxolan-3-ol
<b>InChI</b>	InChI=1S/C31H29ClN4O5/c1-38-23-12-8-21(9-13-23)31(20-6-4-3-5-7-20,22-10-14-24(39-2)15-11-2)40-17-26-25(37)16-27(41-26)36-19-35-28-29(32)33-18-34-30(28)36/h3-15,18-19,25-27,37H,16-17H2,1-2H3/t25-,26+,27+/m0/s1
<b>InChI Key</b>	CXZJWEIBSTWESH-OYUWMTPXSA-N
<b>Canonical SMILES</b>	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(CC(O4)N5C=NC6=C5N=CN=C6Cl)O
<b>Isomeric SMILES</b>	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H](C[C@@H](O4)N5C=NC6=C5N=CN=C6Cl)O
<b>Form</b>	Solid
<b>Purity</b>	≥98%
<b>Applications</b>	(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i> )-2-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-5-(6-chloropurin-9-yl)oxolan-3-ol can be used to synthesize biologically active derivatives of ribonucleosides, often as a starting material



for synthesizing DNA or RNA sequences.

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**Storage**

Store at -20°C.

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