

Product Information

5'-Amino-5'-deoxyguanosine

Cat. No.: X24-03-LY060

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

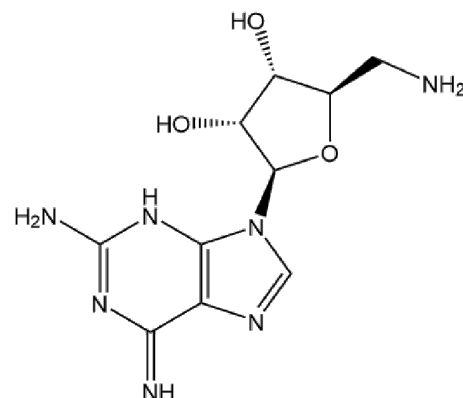
MDL: MFCD22124271

CAS Number: 4099-84-7

PubChem CID: 135475611

Synonym: 4099-84-7; 2-Amino-9-((2*R*, 3*R*, 4*S*, 5*R*)-5-(aminomethyl)-3, 4-dihydroxytetrahydrofuran-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	5'-Amino-5'-deoxyguanosine consists of an amino group and a deoxyguanosine group and belongs to the nucleoside analogs.
Molecular Weight	282.26
Molecular Formula	C ₁₀ H ₁₄ N ₆ O ₄
IUPAC Name	2-Amino-9-[(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-5-(aminomethyl)-3, 4-dihydroxyoxolan-2-yl]-1 <i>H</i> -purin-6-one
InChI	InChI=1S/C10H14N6O4/c11-1-3-5(17)6(18)9(20-3)16-2-13-4-7(16)14-10(12)15-8(4)19/h2-3, 5-6, 9, 17-18H, 1, 11H2, (H3, 12, 14, 15, 19)/t3-, 5-, 6-, 9-/m1/s1
InChI Key	JUWYSPSHBRXOGR-UUOKFMHZSA-N
Canonical SMILES	C1=NC2=C(N1C3C(C(C(O3)CN)O)O)N=C(NC2=O)N
Isomeric SMILES	C1=NC2=C(N1[C@H]3[C@@H]([C@@H]([C@H](O3)CN)O)O)N=C(NC2=O)N
Form	White to off-white solid
Purity	≥97%
Applications	5'-Amino-5'-deoxyguanosine is mainly used to study DNA modification and enzyme modification, and can also be used as a raw material for drugs.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask



Hazard Statements

H302-H315-H319-H335
