

Product Information

2-Amino-2'-deoxyadenosine

Cat. No.: X24-03-LY026

Size: 5 g; 10 g; 25 g; 100 g; 1 kg

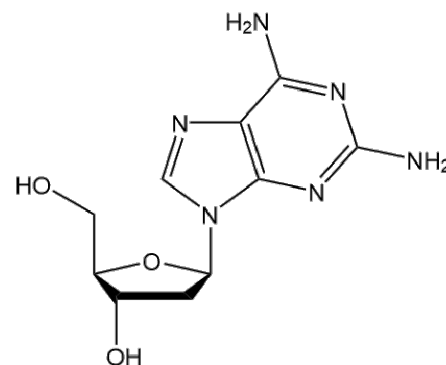
MDL: MFCD00047240

CAS Number: 4546-70-7

PubChem CID: 97188

Synonym: 4546-70-7; 2, 6-Diaminopurine-2'-deoxyriboside; (2*R*, 3*S*, 5*R*)-5-(2, 6-Diamino-9*H*-purin-9-yl)-2-(hydroxymethyl)tetrahydrofuran-3-ol

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



Product Information

Description	2-Amino-2'-deoxyadenosine is a nucleoside containing a purine base with two amino groups and a deoxyribose group.
Molecular Weight	266.26
Molecular Formula	C ₁₀ H ₁₄ N ₆ O ₃
IUPAC Name	(2 <i>R</i> , 3 <i>S</i> , 5 <i>R</i>)-5-(2, 6-Diaminopurin-9-yl)-2-(hydroxymethyl)oxolan-3-ol
InChI	InChI=1S/C10H14N6O3/c11-8-7-9(15-10(12)14-8)16(3-13-7)6-1-4(18)5(2-17)19-6/h3-6, 17-18H, 1-2H2, (H4, 11, 12, 14, 15)/t4-, 5+, 6+/m0/s1
InChI Key	NOLHIMIFXOBLFF-KVQBGUIXSA-N
Canonical SMILES	C1C(C(OC1N2C=NC3=C(N=C(N=C32)N)N)CO)O
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C=NC3=C(N=C(N=C32)N)N)CO)O
Form	White to off-white solid
Purity	≥98%
Applications	2-Amino-2'-deoxyadenosine can be used as a candidate compound for antiretroviral drugs and as a lead compound for antitumor drugs.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask



Hazard Statements

H302-H315-H319-H335
