

Product Information

2'-O,4'-C-Methyleneadenosine

Cat. No.: X24-03-LY643

Size: 100 mg; 250 mg; 500 mg; 1 g; 10 g; 50 g; 100 g

MDL: MFCD18643183

CAS Number: 206055-70-1

Compound CID: 44436074

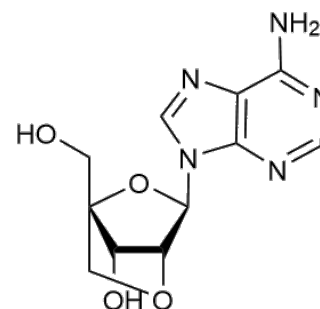
Synonym: 206055-70-1; LNA-A; LNA-Adenosine; 9*H*-Purin-6-amine,

9-[2,5-anhydro-4-C-(hydroxymethyl)-alpha-L-lyxofuranosyl]-;

9-[2,5-Anhydro-4-C-(hydroxymethyl)-alpha-L-lyxofuranosyl]-9*H*-purin-6-amine;

(1*R*,4*S*,6*R*,7*S*

)-6-(6-Aminopurin-9-yl)-4-(hydroxymethyl)-2,5-dioxabicyclo[2.2.1]heptan-7-ol



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

Product Information

Description	2'-O,4'-C-Methyleneadenosine is a modified adenosine.
Molecular Weight	279.25
Molecular Formula	C ₁₁ H ₁₃ N ₅ O ₄
IUPAC Name	(1 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,7 <i>S</i>)-3-(6-Aminopurin-9-yl)-1-(hydroxymethyl)-2,5-dioxabicyclo[2.2.1]heptan-7-ol
InChI	InChI=1S/C11H13N5O4/c12-8-5-9(14-3-13-8)16(4-15-5)10-6-7(18)11(1-17,20-10)2-19-6/h3-4,6-7,10,17-18H,1-2H2,(H2,12,13,14)/t6-,7+,10-,11+/m1/s1
InChI Key	GHKDRNDFVCEETA-KYAGDKKUSA-N
Canonical SMILES	C1C2(C(C(O1)C(O2)N3C=NC4=C(N=CN=C43)N)O)CO
Isomeric SMILES	C1[C@]2([C@H]([C@@H](O1)[C@@H](O2)N3C=NC4=C(N=CN=C43)N)O)CO
Form	Solid
Purity	≥98%
Applications	2'-O,4'-C-Methyleneadenosine can be used to synthesize RNA with specific modifications.
Storage	Store at -20°C.