

Product Information

N6-Methyl-2'-deoxyadenosine

Cat. No.: X23-06-YW127

Size: 250 mg; 500 mg; 1 g; 5g; 10g

CAS Number: 2002-35-9

PubChem CID: 168948

Synonym: N6-Me-2'-dA; N6-Methyl-2'-deoxyadenosine;

(2*R*,3*S*,5*R*)-2-(Hydroxymethyl)-5-(6-(methylamino)-9*H*-purin-9-yl)tetrahydrofuran-3-ol;

Adenosine, 2'-deoxy-*N*-methyl-; N6-Me-dAdo

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

Product Information

Molecular Weight	265.273
Molecular Formula	C ₁₁ H ₁₅ N ₅ O ₃
InChI	InChI=1S/C11H15N5O3/c1-12-10-9-11(14-4-13-10)16(5-15-9)8-2-6(18)7(3-17)19-8/h4-8,17-18H,2-3H2,1H3,(H,12,13,14)/t6-,7+,8+/m0/s1
InChI Key	DYSDOYRQWBDGQQ-XLPZGREQSA-N
Canonical SMILES	CNC1=C2C(=NC=N1)N(C=N2)C3CC(C(O3)CO)O
Isomeric SMILES	CNC1=C2C(=NC=N1)N(C=N2)[C@H]3C[C@@H]([C@H](O3)CO)O
Form	White to off-white powder
Purity	≥97%
Applications	N6-Methyl-2'-deoxyadenosine is the most common modification of DNA in prokaryotes, and it can be used to affect replication, transcription, and transposition in bacteria.
Storage	Store at 4°C.