



Product Information

3'-O-Methyladenosine

Cat. No.: X24-03-LY299

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

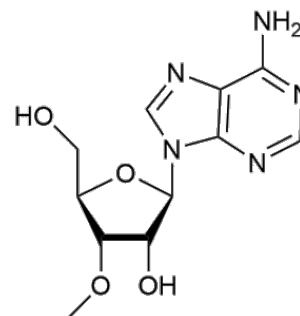
MDL: MFCD00057003

CAS Number: 10300-22-8

Compound CID: 82530

Synonym: 10300-22-8; Adenosine, 3'-O-methyl-;

(2*R*,3*R*,4*S*,5*R*)-2-(6-Amino-purin-9-yl)-5-hydroxymethyl-4-methoxy-tetrahydro-furan-3-ol



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

Product Information

Description	3'-O-Methyladenosine is a modified nucleoside, i.e., a compound formed by the combination of a methyl group with an oxygen atom on the 3' carbon of adenine.
Molecular Weight	281.27
Molecular Formula	C ₁₁ H ₁₅ N ₅ O ₄
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-2-(6-Aminopurin-9-yl)-5-(hydroxymethyl)-4-methoxyoxolan-3-ol
InChI	InChI=1S/C11H15N5O4/c1-19-8-5(2-17)20-11(7(8)18)16-4-15-6-9(12)13-3-14-10(6)16/h3-5,7-8,11,17-18H,2H2,1H3,(H2,12,13,14)/t5-,7-,8-,11-/m1/s1
InChI Key	RYAFZRROCNNRKF-IOSLPCCCSA-N
Canonical SMILES	COC1C(OC(C1O)N2C=NC3=C(N=CN=C32)N)CO
Isomeric SMILES	CO[C@@H]1[C@H](O[C@H]([C@@H]1O)N2C=NC3=C(N=CN=C32)N)CO
Form	Solid
Purity	≥98%
Applications	3'-O-Methyladenosine plays a key role in a variety of important biological processes such as RNA translation, RNA stability and RNA-protein interactions.
Storage	Store at -20°C.