



Product Information

5'-O-TBDMS-dA

Cat. No.: X24-03-LY607

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

MDL: MFCD30585837

CAS Number: 51549-30-5

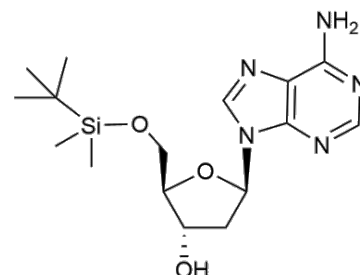
Compound CID: 10320127

Synonym: 51549-30-5; Adenosine, 2'-deoxy-5'-O-[(1,1-dimethylethyl)dimethylsilyl]-;

(2*R*,3*S*,5*R*)-5-(6-Amino-9*H*-purin-9-yl)-2-(((*tert*-butyldimethylsilyl)oxy)methyl)tetrahydrofuran-3-ol;

2*R*,3*S*,5*R*)-5-(6-aminopurin-9-yl)-2-[[*tert*-butyl(dimethyl)silyl]oxymethyl]oxolan-3-ol

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



Product Information

Description	5'-O-TBDMS-dA is a modified deoxyadenine nucleoside.
Molecular Weight	365.50
Molecular Formula	C ₁₆ H ₂₇ N ₅ O ₃ Si
IUPAC Name	(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i>)-5-(6-Aminopurin-9-yl)-2-[[<i>tert</i> -butyl(dimethyl)silyl]oxymethyl]oxolan-3-ol
InChI	InChI=1S/C16H27N5O3Si/c1-16(2,3)25(4,5)23-7-11-10(22)6-12(24-11)21-9-20-13-14(17)18-8-19-15(13)21/h8-12,22H,6-7H2,1-5H3,(H2,17,18,19)/t10-,11+,12+/m0/s1
InChI Key	HGLRBQHXIBHZTD-QJPTWQEYSA-N
Canonical SMILES	CC(C)(C)[Si](C)(C)OCC1C(CC(O1)N2C=NC3=C(N=CN=C32)N)O
Isomeric SMILES	CC(C)(C)[Si](C)(C)OC[C@@H]1[C@H](C[C@@H](O1)N2C=NC3=C(N=CN=C32)N)O
Form	Solid
Purity	≥98%
Applications	5'-O-TBDMS-dA can be used to construct modified DNA sequences.
Storage	Store at -20°C.