

Product Information

5'-O-DMT-N2-(dimethylamino)methylidene-2'-deoxyguanosine

Cat. No.: X23-06-YW150

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

MDL: MFCD01630994

CAS Number: 40094-22-2

PubChem CID: 136986935

Synonym: N2-DMF-5'-O-DMT-dG; 5'-O-DMT-N2-DMF-dG;

N'-(9-((2R,4S,5R

)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxytetrahydrofuran-2-yl)-6-

oxo-6,9-dihydro-3H-purin-2-yl)-N,N-dimethylformimidamide;

3'-Deoxy-N2-DMF-5'-O-DMT-guanosine

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

Product Information

Molecular Weight	624.698
Molecular Formula	C ₃₄ H ₃₆ N ₆ O ₆
InChI	InChI=1S/C34H36N6O6/c1-39(2)20-36-33-37-31-30(32(42)38-33)35-21-40(31)29-18-27(41)28(46-29)19-45-34(22-8-6-5-7-9-22,23-10-14-25(43-3)15-11-23)24-12-16-26(44-4)17-13-24/h5-17,20-21,27-29,41H,18-19H2,1-4H3,(H,37,38,42)/b36-20+/t27-,28+,29+/m0/s1
InChI Key	YTRIMRXIMVGPAL-FTBOMTEUSA-N
Canonical SMILES	CN(C)C=NC1=NC2=C(C(=O)N1)N=CN2C3CC(C(O3)COC(C4=CC=CC=C4))(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC)O
Isomeric SMILES	CN(C)/C=N/C1=NC2=C(C(=O)N1)N=CN2[C@H]3C[C@@H]([C@H](O3)COC(C4=CC=CC=C4))(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC)O
Form	White to off-white powder
Purity	≥98.5%
Applications	5'-O-DMT-N2-(dimethylamino)methylidene-2'-deoxyguanosine can be used in the synthesis of deoxyribonucleic acid or nucleic acid.
Storage	Store at 4°C.