



Product Information

5'-O-DMTr-2'-OMeU-methyl phosphonamidite

Cat. No.: X25-06-LY682

Size: 50 mg; 100 mg; 250 mg; 500 mg

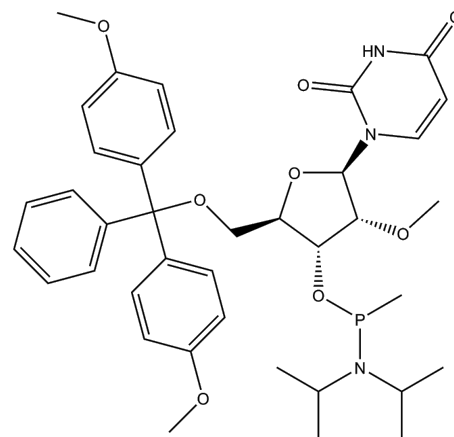
CAS Number: 191786-64-8

Compound CID: 167312638

Synonym: 191786-64-8;

1-[(2*R*,3*R*,4*R*,5*R*

)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-[[di(propan-2-yl)amino]-methylphosphanyl]oxy-3-methoxyoxolan-2-yl]pyrimidine-2,4-dione; 5'-O-DMTr-2'-OMeU-methyl phosphonamidite



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

Product Information

Description	5'-O-DMTr-2'-OMeU-methyl phosphonamidite is an introduction reagent used for RNA synthesis, with modifications of DMTr and 2'-O methylation.
Molecular Weight	705.78
Molecular Formula	C ₃₈ H ₄₈ N ₃ O ₈ P
IUPAC Name	1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i>)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-[[di(propan-2-yl)amino]-methylphosphanyl]oxy-3-methoxyoxolan-2-yl]pyrimidine-2,4-dione
InChI	InChI=1S/C38H48N3O8P/c1-25(2)41(26(3)4)50(8)49-34-32(48-36(35(34)46-7)40-23-22-33(42)39-37(40)43)24-47-38(27-12-10-9-11-13-27,28-14-18-30(44-5)19-15-28)29-16-20-31(45-6)21-17-29/h9-23,25-26,32,34-36H,24H2,1-8H3,(H,39,42,43)/t32-,34-,35-,36-,50-/m1/s1
InChI Key	OMQYBRGCCIXKCN-IFQFNZHASA-N
SMILES string	CC(C)N(C(C)C)P(C)O[C@@H]1[C@H](O[C@H]([C@@H]1OC)N2C=CC(=O)NC2=O)COC(C3=CC=CC=C3)(C4=CC=C(C=C4)OC)C5=CC=C(C=C5)OC
Form	Solid
Purity	≥95.0%
Quality Level	Research grade
Applications	5'-O-DMTr-2'-OMeU-methyl phosphonamidite can be used in nucleic acid chemistry to synthesize RNA probes and aptamers, and to study the interactions of RNA.
Storage	Store at -20°C.



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