

Product Information

N4-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine

Cat. No.: X23-06-YW144

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

MDL: MFCD00010114

CAS Number: 67219-55-0

PubChem CID: 2724490

Synonym: N4-Bz-DMT-dC; N4-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine;

Cytidine, N-benzoyl-5'-O-[bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-;

5'-O-Dimethoxytrityl-N-benzoyl-desoxycytidine; N-Benzoyl-5'-O

-(4,4'-dimethoxytrityl)-2'-deoxycytidine;

5'-O-(4,4'-Dimethoxytrityl)-N4-benzoyl-2'-deoxycytidine; N-[1-[(2R,4S,5R

)-5-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-hydroxyoxolan-2-yl]-2-oxopyrimi

din-4-yl]benzamide

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

Product Information

Molecular Weight	633.701
Molecular Formula	C ₃₇ H ₃₅ N ₃ O ₇
InChI	InChI=1S/C37H35N3O7/c1-44-29-17-13-27(14-18-29)37(26-11-7-4-8-12-26,28-15-19-30(45-2)20-16-28)46-24-32-31(41)23-34(47-32)40-22-21-33(39-36(40)43)38-35(42)25-9-5-3-6-10-25/h3-22,31-32,34,41H,23-24H2,1-2H3,(H,38,39,42,43)/t31-,32+,34+/m0/s1
InChI Key	MYSNCIZBPUPZMQ-VOTWKOMSSA-N
Canonical SMILES	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(CC(O4)N5C=CC(=NC5=O)NC(=O)C6=CC=CC=C6)O</chem>
Isomeric SMILES	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H](C[C@@H](O4)N5C=CC(=NC5=O)NC(=O)C6=CC=CC=C6)O</chem>
Form	White to off-white powder
Purity	≥98.5%
Applications	N4-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine can be used as building blocks in oligosaccharide derivatives synthesis.
Storage	Store at 4°C.

