

Product Information

N6-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-adenosine

Cat. No.: X23-06-YW153

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

MDL: MFCD00797466

CAS Number: 81246-82-4

PubChem CID: 14282135

Synonym: N6-Bz-DMT-Ar; 5'-DMT-Bz-rA;

5'-O-(4,4'-Dimethoxytrityl)-N6-benzoyl-adenosine; 5'-O-DMT-Bz-rA;

5'-O-(4,4'-Dimethoxytrityl)-N6-benzoyl-adenosine; Adenosine, N

-benzoyl-5'-O-[bis(4-methoxyphenyl)phenylmethyl]-; N6-Benzoyl-5'-O-DMT-adenosine

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

Product Information

Description	N6-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-adenosine at CD BioGlyco is a white to off-white powder product with a purity of ≥98%, which is a synthetic nucleoside having antiviral properties.
Molecular Weight	673.726
Molecular Formula	C ₃₈ H ₃₅ N ₅ O ₇
InChI	InChI=1S/C38H35N5O7/c1-47-28-17-13-26(14-18-28)38(25-11-7-4-8-12-25,27-15-19-29(48-2)20-16-27)49-21-30-32(44)33(45)37(50-30)43-23-41-31-34(39-22-40-35(31)43)42-36(46)24-9-5-3-6-10-24/h3-20,22-23,30,32-33,37,44-45H,21H2,1-2H3,(H,39,40,42,46)/t30-,32-,33-,37-/m1/s1
InChI Key	QPHBEJADZCSKCY-GONXPTGJSA-N
Canonical SMILES	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(C(C(O4)N5C=NC6=C(N=CN=C65)NC(=O)C7=CC=CC=C7)O)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@H]([C@@H](O4)N5C=NC6=C(N=CN=C65)NC(=O)C7=CC=CC=C7)O)O</chem>
Form	White to off-white powder
Purity	≥98%
Applications	N6-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-adenosine can be used as a viral DNA polymerase activator that reduces viral replication by reducing the DNA synthesis in the host cell.
Storage	Store at 4°C.