

Product Information

2'-O-TBDMS-N6-benzoyl-adenosine

Cat. No.: X23-06-YW117

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

CAS Number: 69504-07-0

PubChem CID: 11477281

Synonym: 2'-O-TBDMS-N6-Bz-Ar; 2'-TBDMS-Bz-rA; N-[9-[(2R,3R,4R,5R)-3-[*tert*-butyl(dimethyl)silyl]oxy-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]purin-6-yl]benzamide
; 2-TBDMS-BZ-RA

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

Product Information

Description	2'-O-TBDMS-N6-benzoyl-adenosine at CD BioGlyco is a white to off-white powder product with a purity of ≥97%. It is a new phosphoramidate monophosphate nucleoside analog that has been genetically engineered to be resistant to the ribonuclease A enzyme.
Molecular Weight	485.616
Molecular Formula	C ₂₃ H ₃₁ N ₅ O ₅ Si
InChI	InChI=1S/C23H31N5O5Si/c1-23(2,3)34(4,5)33-18-17(30)15(11-29)32-22(18)28-13-26-16-19(24-12-25-20(16)28)27-21(31)14-9-7-6-8-10-14/h6-10,12-13,15,17-18,22,29-30H,11H2,1-5H3,(H,24,25,27,31)/t15-,17-,18-,22-/m1/s1
InChI Key	XZQPQOSSEMTXOW-UVLLPENVSA-N
Canonical SMILES	CC(C)(C)[Si](C)(C)OC1C(C(OC1N2C=NC3=C(N=CN=C32)NC(=O)C4=CC=CC=C4)CO)O
Isomeric SMILES	CC(C)(C)[Si](C)(C)O[C@@H]1[C@@H]([C@H]([C@H]1O[C@H]1N2C=NC3=C(N=CN=C32)NC(=O)C4=CC=CC=C4)CO)O
Form	White to off-white powder
Purity	≥97%
Applications	2'-O-TBDMS-N6-benzoyl-adenosine can be used to enhance DNA synthesis while inhibiting RNA synthesis.
Storage	Store at 4°C.