

Product Information

N6-Benzoyl-adenosine

Cat. No.: X23-06-YW112

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

MDL: MFCD00056988

CAS Number: 4546-55-8

PubChem CID: 11728391

Synonym: N6-Bz-Ar; N6-Benzoyl-adenosine; N-Benzoyl-adenosine; Adenosine, N

-benzoyl-; N-(9-((2R,3R,4S,5R

)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-9H-purin-6-yl)benzamide; N

-[9-[(2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]purin-6-yl]benzamide

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

Product Information

Description	N6-Benzoyl-adenosine at CD BioGlyco is a white to off-white powder product with a purity of ≥97%, which is a purine nucleoside that is produced from uridine and it has a strong phosphorylation resistance.
Molecular Weight	371.353
Molecular Formula	C ₁₇ H ₁₇ N ₅ O ₅
InChI	InChI=1S/C17H17N5O5/c23-6-10-12(24)13(25)17(27-10)22-8-20-11-14(18-7-19-15(11)22)21-16(26)9-4-2-1-3-5-9/h1-5,7-8,10,12-13,17,23-25H,6H2,(H,18,19,21,26)/t10-,12-,13-,17-/m1/s1
InChI Key	NZDWTKFDAUOODA-CNEMSGBDSA-N
Canonical SMILES	C1=CC=C(C=C1)C(=O)NC2=C3C(=NC=N2)N(C=N3)C4C(C(C(O4)CO)O)O
Isomeric SMILES	C1=CC=C(C=C1)C(=O)NC2=C3C(=NC=N2)N(C=N3)[C@H]4[C@@@H]([C@@@H]([C@H](O4)CO)O)O
Form	White to off-white powder
Purity	≥97%
Applications	N6-Benzoyl-adenosine can be used to inhibit protein synthesis by inhibiting the catalytic process of guanine nucleotide-binding proteins, it also can be used to reduce mitochondria camp levels and concentrations.
Storage	Store at 4°C.