

Product Information

N-Benzoyl-2'-deoxyadenosine

Cat. No.: X24-03-LY305

Size: 1 g; 5 g; 10 g; 25 g; 100 g

MDL: MFCD00009628

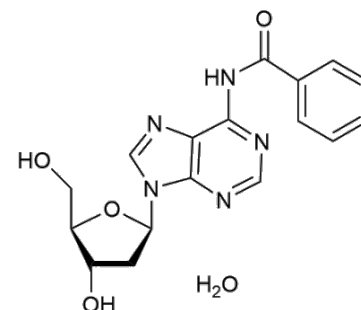
CAS Number: 305808-19-9

Compound CID: 107558

Synonym: 305808-19-9; *N*-(9-((2*R*,4*S*,5*R*

)-4-Hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-9*H*-purin-6-yl)benzamide hydrate;

*N*6-Benzoyl-2'-deoxyadenosine



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

Product Information

Description	<i>N</i> -Benzoyl-2'-deoxyadenosine is a biologically active molecule which chemical structure is a benzoyl group attached to the 2'-position of the deoxyadenosine.
Molecular Weight	373.36
Molecular Formula	C ₁₇ H ₁₉ N ₅ O ₅
IUPAC Name	<i>N</i> -[9-[(2 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-4-Hydroxy-5-(hydroxymethyl)oxolan-2-yl]purin-6-yl]benzamide
InChI	InChI=1S/C17H17N5O4/c23-7-12-11(24)6-13(26-12)22-9-20-14-15(18-8-19-16(14)22)21-17(25)10-4-2-1-3-5-10/h1-5,8-9,11-13,23-24H,6-7H2,(H,18,19,21,25)/t11-,12+,13+/m0/s1
InChI Key	PIXHJAPVPCVZSV-YNEHKIRRSA-N
Canonical SMILES	C1C(C(OC1N2C=NC3=C(N=CN=C32)NC(=O)C4=CC=CC=C4)CO)O
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C=NC3=C(N=CN=C32)NC(=O)C4=CC=CC=C4)CO)O
Form	Solid
Purity	≥98%
Applications	<i>N</i> -Benzoyl-2'-deoxyadenosine is mainly used as a compound in bioactivity studies and can be used to synthesize mimics of adenosine in DNA and RNA.
Storage	Store at -20°C.