

Product Information

N-Cyclopentyl-2'-C-methyl-adenosine

Cat. No.: X24-03-LY663

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

CAS Number: 205171-06-8

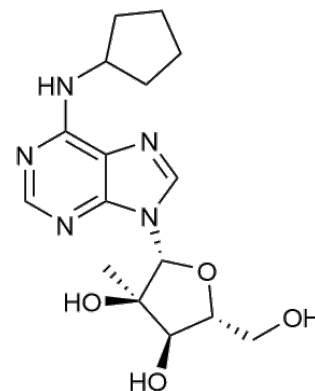
Compound CID: 9946338

Synonym: 205171-06-8;

(2*R*,3*R*,4*R*,5*R*)-2-(6-(Cyclopentylamino)-9*H*

-purin-9-yl)-5-(hydroxymethyl)-3-methyltetrahydrofuran-3,4-diol; Adenosine, *N*

-cyclopentyl-2'-C-methyl-



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

Product Information

Description	<i>N</i> -Cyclopentyl-2'-C-methyl-adenosine is an adenosine analog with modulating neurotransmission and immunomodulatory effects.
Molecular Weight	349.38
Molecular Formula	C ₁₆ H ₂₃ N ₅ O ₄
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i>)-2-[6-(Cyclopentylamino)purin-9-yl]-5-(hydroxymethyl)-3-methyloxolane-3,4-diol
InChI	InChI=1S/C16H23N5O4/c1-16(24)12(23)10(6-22)25-15(16)21-8-19-11-13(17-7-18-14(11)21)20-9-4-2-3-5-9/h7-10,12,15,22-24H,2-6H2,1H3,(H,17,18,20)/t10-,12-,15-,16-/m1/s1
InChI Key	BVOLJUDYJILMMW-QTDMDRALSA-N
Canonical SMILES	CC1(C(C(OC1N2C=NC3=C(N=CN=C32)NC4CCCC4)CO)O)O
Isomeric SMILES	C[C@]1([C@@H]([C@H](O[C@H]1N2C=NC3=C(N=CN=C32)NC4CCCC4)CO)O)O
Form	Solid
Purity	≥98%
Applications	<i>N</i> -Cyclopentyl-2'-C-methyl-adenosine can be used to explore adenosine receptor function, regulation of neurotransmitter release and neurotransmission.
Storage	Store at -20°C.