

Product Information

Protected nucleoside N2-Pac-3',5'-TIPDS-Gr

Cat. No.: X24-08-LY013

Size: 25 mg; 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 131474-72-1

Compound CID: 136244630

Synonym: 131474-72-1; 3,5-TIPS-N-PAC-Guanosine; 3',5'-TIPS-N-PAC-Guanosine;

N-[9-[(6*aR*,8*R*,9*R*,9*aS*

)-9-Hydroxy-2,2,4,4-tetra

(propan-2-yl)-6*a*,8,9,9*a*-tetrahydro-6*H*

-furo[3,2-*f*][1,3,5,2,4]trioxadisilocin-8-yl]-6-oxo-1*H*-purin-2-yl]-2-phenoxyacetamide;

3',5'-TIPS-N2-Phenoxyacetyl-guanosine; *N*

2-Phenoxyacetyl-3',5'-*O*-(tetraisopropylidisiloxane-1,3-diyl)-guanosine; *N*

2-Phenoxyacetyl-3',5'-*O*-(1,1,3,3-tetraisopropyl-1,3-disiloxanediy)guanosine; *N*

-(9-((6*aR*,8*R*,9*R*,9*aS*

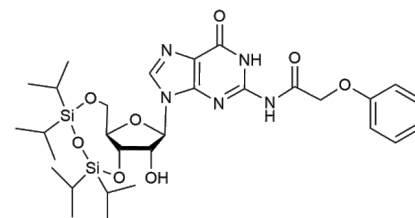
)-9-Hydroxy-2,2,4,4-tetraisopropyltetrah

ydro-6*H*

-furo[3,2-*f*][1,3,5,2,4]trioxadisilocin-8-yl)-6-oxo-6,9-dihydro-3*H*

-purin-2-yl)-2-phenoxyacetamide

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



Product Information

Description	N2-Pac-3',5'-TIPDS-Gr is a modified nucleoside molecule to which a tetraisopropylidisiloxane functional group is attached.
Molecular Weight	659.88
Molecular Formula	C ₃₀ H ₄₅ N ₅ O ₈ Si ₂
IUPAC Name	<i>N</i> -[9-[(6 <i>aR</i> ,8 <i>R</i> ,9 <i>R</i> ,9 <i>aS</i>)-9-Hydroxy-2,2,4,4-tetra(propan-2-yl)-6 <i>a</i> ,8,9,9 <i>a</i> -tetrahydro-6 <i>H</i> -furo[3,2- <i>f</i>][1,3,5,2,4]trioxadisilocin-8-yl]-6-oxo-1 <i>H</i> -purin-2-yl]-2-phenoxyacetamide
InChI	InChI=1S/C30H45N5O8Si2/c1-17(2)44(18(3)4)40-14-22-26(42-45(43-44,19(5)6)20(7)8)25(37)29(41-22)35-16-31-24-27(35)33-30(34-28(24)38)32-23(36)15-39-21-12-10-9-11-13-21/h9-13,16-20,22,25-26,29,37H,14-15H2,1-8H3,(H2,32,33,34,36,38)/t22-,25-,26-,29-/m1/s1

InChI Key	RRWDFNRJFKNJIJ-QTWDEJAXSA-N
Canonical SMILES	<chem>CC(C)[Si]1(OCC2C(C(C(O2)N3C=NC4=C3N=C(NC4=O)NC(=O)COC5=CC=CC=C5)O)[Si](O1)(C(C)C)C(C)C)C(C)C</chem>
Isomeric SMILES	<chem>CC(C)[Si]1(OC[C@@H]2[C@H]([C@H]([C@@H](O2)N3C=NC4=C3N=C(NC4=O)NC(=O)COC5=C=C=CC=C5)O)[Si](O1)(C(C)C)C(C)C)C(C)C</chem>
Form	Powder
Purity	≥95%
Applications	<i>N2</i> -Pac-3',5'-TIPDS-Gr can be used to improve the pharmacokinetic properties and stability of nucleic acid drugs.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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