

Product Information

N-((2*R*, 3*R*, 4*S*, 5*R*)-2-(2-Amino-6-oxo-3,6-dihydro-9*H*-purin-9-yl)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-3-yl)-2, 2, 2-trifluoroacetamide

Cat. No.: X24-03-LY047

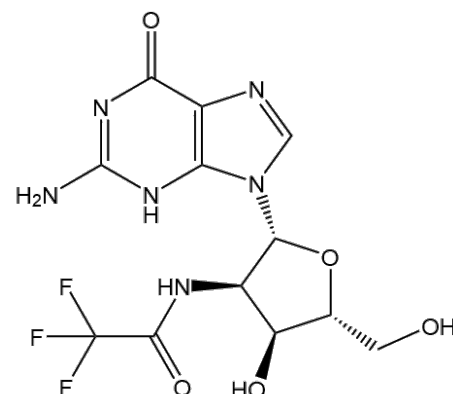
Size: 1 g; 5 g; 10 g; 25 g

CAS Number: 144089-98-5

PubChem CID: 135742635

Synonym: 144089-98-5; 2'-TFA-NH-dG; 2'-Deoxy-2'-[(2, 2, 2-trifluoroacetyl)amino]guanosine; Guanosine, 2'-deoxy-2'-[(trifluoroacetyl)amino]-

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



Product Information

Description	<i>N</i> -((2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(2-Amino-6-oxo-3,6-dihydro-9 <i>H</i> -purin-9-yl)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-3-yl)-2, 2, 2-trifluoroacetamide is a TFA-modified nucleoside with multiple substituents.
Molecular Weight	378.26
Molecular Formula	C ₁₂ H ₁₃ F ₃ N ₆ O ₅
IUPAC Name	<i>N</i> -[(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(2-Amino-6-oxo-1 <i>H</i> -purin-9-yl)-4-hydroxy-5-(hydroxymethyl)oxolan-3-yl]-2, 2, 2-trifluoroacetamide
InChI	InChI=1S/C12H13F3N6O5/c13-12(14, 15)10(25)18-4-6(23)3(1-22)26-9(4)21-2-17-5-7(21)19-11(16)20-8(5)24/h2-4, 6, 9, 22-23H, 1H2, (H, 18, 25)(H3, 16, 19, 20, 24)/t3-, 4-, 6-, 9-/m1/s1
InChI Key	DWVVZCNIKDWTEY-DXTOWSMRSA-N
Canonical SMILES	C1=NC2=C(N1C3C(C(C(O3)CO)O)NC(=O)C(F)(F)F)N=C(NC2=O)N
Isomeric SMILES	C1=NC2=C(N1[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)NC(=O)C(F)(F)F)N=C(NC2=O)N
Form	White to off-white solid
Purity	≥97%
Applications	<i>N</i> -((2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(2-Amino-6-oxo-3,6-dihydro-9 <i>H</i> -purin-9-yl)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-3-yl)-2, 2, 2-trifluoroacetamide has high chemical stability and biological activity and can be used to synthesize a wide range of biologically active compounds.
Storage	Store at -20°C.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
