

Product Information

(E)-N'-(9-((2*R*, 3*R*, 4*R*, 5*R*)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxy-3-methoxytetrahydrofuran-2-yl)-6-oxo-6, 9-dihydro-3*H*-purin-2-yl)-*N*, *N*-dimethylformimidamide

Cat. No.: X24-03-LY017

Size: 250 mg; 1 g; 5 g; 10 g; 25 g; 100 g

MDL: MFCD22200629

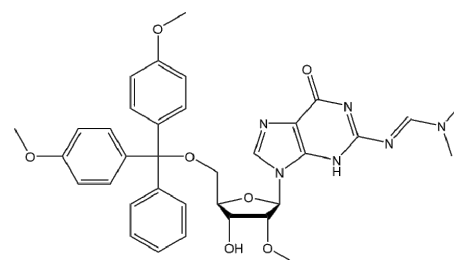
CAS Number: 1858223-91-2

PubChem CID: 135528206

Synonym: 1858223-91-2; *(E)-N'*-(9-((2*R*, 3*R*, 4*R*, 5*R*

)-5-[[bis(4-methoxyphenyl)(phenyl)methoxy]methyl]-4-hydroxy-3-methoxyoxolan-2-yl]-6-oxo-6, 9-dihydro-1*H*-purin-2-yl)-*N*, *N*-dimethylmethanimidamide

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



Product Information

Description	<i>(E)-N'</i> -(9-((2 <i>R</i> , 3 <i>R</i> , 4 <i>R</i> , 5 <i>R</i>)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxy-3-methoxytetrahydrofuran-2-yl)-6-oxo-6, 9-dihydro-3 <i>H</i> -purin-2-yl)- <i>N</i> , <i>N</i> -dimethylformimidamide is a compound with multiple biological activities including anti-tumor and anti-inflammatory effects.
Molecular Weight	654.71
Molecular Formula	C ₃₅ H ₃₈ N ₆ O ₇
IUPAC Name	<i>N'</i> -(9-((2 <i>R</i> , 3 <i>R</i> , 4 <i>R</i> , 5 <i>R</i>)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-hydroxy-3-methoxyoxolan-2-yl)-6-oxo-1 <i>H</i> -purin-2-yl)- <i>N</i> , <i>N</i> -dimethylmethanimidamide
InChI	InChI=1S/C35H38N6O7/c1-40(2)20-37-34-38-31-28(32(43)39-34)36-21-41(31)33-30(46-5)29(42)27(48-33)19-47-35(22-9-7-6-8-10-22, 23-11-15-25(44-3)16-12-23)24-13-17-26(45-4)18-14-24/h6-18, 20-21, 27, 29-30, 33, 42H, 19H2, 1-5H3, (H, 38, 39, 43)/b37-20+/t27-, 29-, 30-, 33-/m1/s1
InChI Key	SBJHBQZDABMKCF-DTLVXTGFSA-N

Canonical SMILES	<chem>CN(C)C=NC1=NC2=C(C(=O)N1)N=CN2C3C(C(C(O3)COC(C4=CC=CC=C4)(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC)O)OC</chem>
Isomeric SMILES	<chem>CN(C)/C=N/C1=NC2=C(C(=O)N1)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)COC(C4=CC=CC=C4)(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC)O)OC</chem>
Form	White to off-white solid
Purity	≥97%
Applications	<p>(<i>E</i>)-<i>N'</i>-(9-((2<i>R</i>, 3<i>R</i>, 4<i>R</i>, 5<i>R</i>)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxy-3-methoxytetrahydrofuran-2-yl)-6-oxo-6,9-dihydro-3<i>H</i>-purin-2-yl)-<i>N</i>, <i>N</i>-dimethylformimidamide plays an important role in anticancer drug research and is widely used in disease modeling, drug screening and as a precursor for antiviral drugs.</p>
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
Hazard Statements	H302-H315-H319-H335