

## Product Information

### N2-Isobutyryl-2'-O-methylguanosine

**Cat. No.:** X23-06-YW131

**Size:** 250 mg; 500 mg; 1 g; 5g; 10g

**MDL:** MFCD15145297

**CAS Number:** 63264-29-9

**PubChem CID:** 135536008

**Synonym:** N2-iBu-2'-OMe-Gr; N2-Isobutyryl-2'-O-methylguanosine; N-(9-((2R,3R,4

R,5R

)-4-

hydrox

y-5-(hydroxy

methyl)-3-methoxytetrahy

drofuran-2-yl)-6-oxo-6,9-dihydro-1H-purin-2-yl)isobutyramide; N-[9-[(2R,3R,4R,5R

)-4-hydroxy-5-(hydroxy

methyl)-3-methoxyoxolan-2-yl]-6-oxo-1H-purin-2-yl]-2-methylpropanamide

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

#### Product Information

<b>Molecular Weight</b>	367.362
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>21</sub> N <sub>5</sub> O <sub>6</sub>
<b>InChI</b>	InChI=1S/C15H21N5O6/c1-6(2)12(23)18-15-17-11-8(13(24)19-15)16-5-20(11)14-10(25-3)9(22)7(4-21)26-14/h5-7,9-10,14,21-22H,4H2,1-3H3,(H2,17,18,19,23,24)/t7-,9-,10-,14-/m1/s1
<b>InChI Key</b>	RPULCYXEYODQOG-AKAIJSEGSA-N
<b>Canonical SMILES</b>	CC(C)C(=O)NC1=NC2=C(C(=O)N1)N=CN2C3C(C(C(O3)CO)O)OC
<b>Isomeric SMILES</b>	CC(C)C(=O)NC1=NC2=C(C(=O)N1)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)OC
<b>Form</b>	White to off-white powder
<b>Purity</b>	≥97%
<b>Applications</b>	N2-Isobutyryl-2'-O-methylguanosine is a modified nucleoside that can be used as an activator for DNA synthesis.
<b>Storage</b>	Store at 4°C.



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