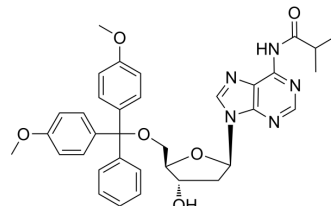


## 5'-O-DMT-N6-ibu-dA

<b>Cat. No.:</b>	HY-138600
<b>CAS No.:</b>	190834-10-7
<b>Molecular Formula:</b>	C <sub>35</sub> H <sub>37</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	623.7
<b>Target:</b>	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (160.33 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.6033 mL	8.0167 mL	16.0333 mL
5 mM	0.3207 mL	1.6033 mL	3.2067 mL
10 mM	0.1603 mL	0.8017 mL	1.6033 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

5'-O-DMT-N6-ibu-dA can be used in the synthesis of oligodeoxyribonucleotides<sup>[1]</sup>.

### REFERENCES

[1]. McMinn DL, et, al. Synthesis of oligonucleotides containing 3'-alkyl amines using N-isobutryl protected deoxyadenosine phosphoramidite. Tetrahedron Letters. 1997 May; 38(18): 3123-3126.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA