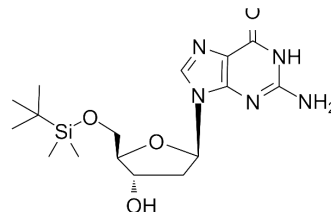


## 5'-O-TBDMS-dG

Cat. No.:	HY-138598
CAS No.:	51549-33-8
Molecular Formula:	C <sub>16</sub> H <sub>27</sub> N <sub>5</sub> O <sub>4</sub> Si
Molecular Weight:	381.5
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (655.31 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6212 mL	13.1062 mL	26.2123 mL
				5 mM	0.5242 mL	2.6212 mL	5.2425 mL
				10 mM	0.2621 mL	1.3106 mL	2.6212 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	5'-O-TBDMS-dG is a modified nucleoside. 5'-O-DMT-2'-O-TBDMS-ri can be used in the synthesis of deoxyribonucleic acid or nucleic acid.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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