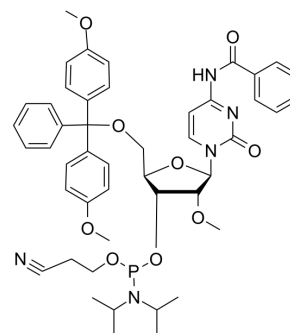


## 2'-O-Me-C(Bz) Phosphoramidite

Cat. No.:	HY-138578
CAS No.:	110764-78-8
Molecular Formula:	C <sub>47</sub> H <sub>54</sub> N <sub>5</sub> O <sub>9</sub> P
Molecular Weight:	863.93
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 : 100 mg/mL (115.75 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.1575 mL	5.7875 mL	11.5750 mL
				5 mM	0.2315 mL	1.1575 mL	2.3150 mL
				10 mM	0.1158 mL	0.5788 mL	1.1575 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: ≥ 2.5 mg/mL (2.89 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (2.89 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.89 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	2'-O-Me-C(Bz) Phosphoramidite is a modified phosphoramidite monomer, which can be used for the oligonucleotide synthesis.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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