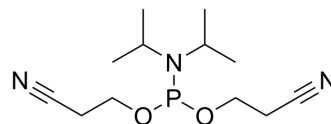


## Bis(2-cyanoethyl) diisopropylphosphoramidite

<b>Cat. No.:</b>	HY-24126
<b>CAS No.:</b>	102690-88-0
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>22</sub> N <sub>3</sub> O <sub>2</sub> P
<b>Molecular Weight:</b>	271.3
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (368.60 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	<b>Preparing Stock Solutions</b>			1 mg	5 mg	10 mg
		1 mM		3.6860 mL	18.4298 mL	36.8596 mL
		5 mM		0.7372 mL	3.6860 mL	7.3719 mL
	10 mM		0.3686 mL	1.8430 mL	3.6860 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (9.21 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.21 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (9.21 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Bis(2-cyanoethyl) diisopropylphosphoramidite is a phosphorite monomer that can be used in the synthesis of oligonucleotides.
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### REFERENCES

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**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](mailto:tech@MedChemExpress.com)

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