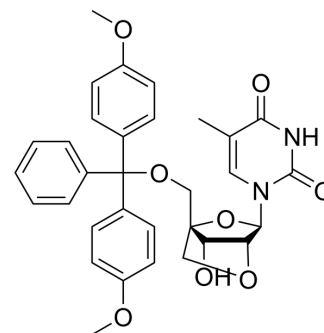


Locked nucleic acid 1

Cat. No.:	HY-111807
CAS No.:	206055-71-2
Molecular Formula:	C ₃₂ H ₃₂ N ₂ O ₈
Molecular Weight:	572.61
Target:	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (436.60 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.7464 mL	8.7319 mL	17.4639 mL
		5 mM	0.3493 mL	1.7464 mL	3.4928 mL
	10 mM	0.1746 mL	0.8732 mL	1.7464 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: ≥ 6.25 mg/mL (10.91 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (10.91 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Locked nucleic acid 1 is a derivative of LNA-type nucleoside.
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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

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