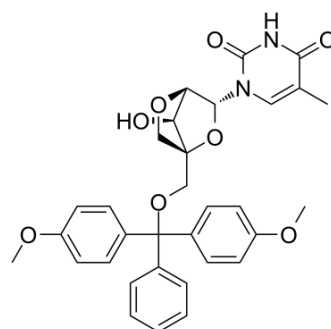


## Locked nucleic acid 1

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



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 250 mg/mL (436.60 mM; Need ultrasonic)

Concentration	Mass		
	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

- 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
- 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.

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

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