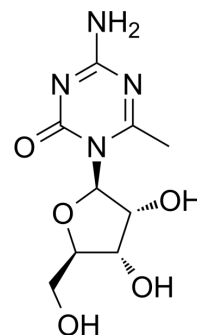


6-Methyl-5-azacytidine

Cat. No.:	HY-111644
CAS No.:	105330-94-7
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₅
Molecular Weight:	258.23
Target:	DNA Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (484.06 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	3.8725 mL	19.3626 mL	38.7252 mL
			5 mM	0.7745 mL	3.8725 mL	7.7450 mL
			10 mM	0.3873 mL	1.9363 mL	3.8725 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 (8.05 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.05 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.05 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	6-Methyl-5-azacytidine is a potent DNMT inhibitor.
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REFERENCES

[1]. Pískala A, et al. Synthesis and biological activity of 2'-deoxy-6-methyl-5-azacytidine and its alpha-D-anomer. Nucleic Acids Symp Ser. 1981;(9):83-6.

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

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