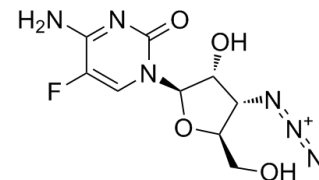


3'-Azido-3'-deoxy-5-fluorocytidine

Cat. No.:	HY-111641
CAS No.:	2095417-18-6
Molecular Formula:	C ₉ H ₁₁ FN ₆ O ₄
Molecular Weight:	286.22
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 : 140 mg/mL (489.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.4938 mL	17.4691 mL	34.9382 mL
		5 mM	0.6988 mL	3.4938 mL	6.9876 mL
	10 mM	0.3494 mL	1.7469 mL	3.4938 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.33 mg/mL (8.14 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.33 mg/mL (8.14 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.33 mg/mL (8.14 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	3'-Azido-3'-deoxy-5-fluorocytidine (Compound 12) is a cytidine derivative.
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REFERENCES

[1]. Ren Hang, et al. Synthesis of 3'-Azido-DL-nucleosides. Chinese Journal of Organic Chemistry, 2018, 38(1): 138-147.
Caution: Product has not been fully validated for medical applications. For research use only.

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