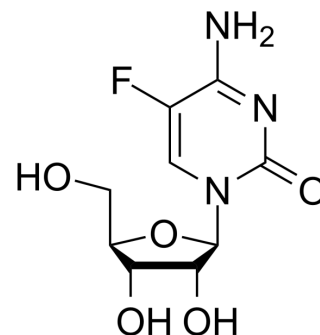


5-Fluorocytidine

Cat. No.:	HY-W039722
CAS No.:	2341-22-2
Molecular Formula:	C ₉ H ₁₂ FN ₃ O ₅
Molecular Weight:	261.21
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (382.83 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.8283 mL	19.1417 mL	38.2834 mL
		5 mM		0.7657 mL	3.8283 mL	7.6567 mL
		10 mM		0.3828 mL	1.9142 mL	3.8283 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: ≥ 2.5 mg/mL (9.57 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.57 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (9.57 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	5-Fluorocytidine is a member of cytidines, inhibits maturation of the 45S ribosomal RNA precursor ^[1] .
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REFERENCES

[1]. Grosso LE, et al. Alterations in the maturation and structure of ribosomal precursor RNA in Novikoff hepatoma cells induced by 5-fluorocytidine. Biochemistry. 1984 Jun 5;23(12):2651-6.

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