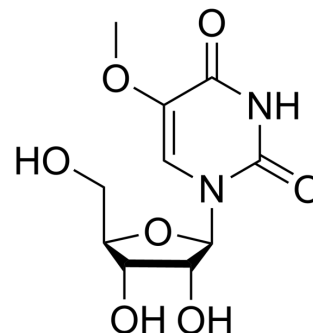


5-Methoxyuridine

Cat. No.:	HY-112581
CAS No.:	35542-01-9
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₇
Molecular Weight:	274.23
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	<div> <div>Powder</div> <div> <div>-20°C</div> <div>3 years</div> </div> </div> <div> <div>4°C</div> <div>2 years</div> </div> <div> <div>In solvent</div> <div> <div>-80°C</div> <div>6 months</div> </div> </div> <div> <div>-20°C</div> <div>1 month</div> </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (182.33 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Mass</div></div> <div>Concentration</div>	1 mg	5 mg	10 mg
		1 mM	3.6466 mL	18.2329 mL	36.4657 mL
		5 mM	0.7293 mL	3.6466 mL	7.2931 mL
		10 mM	0.3647 mL	1.8233 mL	3.6466 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 (9.12 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.12 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.12 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	5-Methoxyuridine is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc ^[1] .
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REFERENCES

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

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