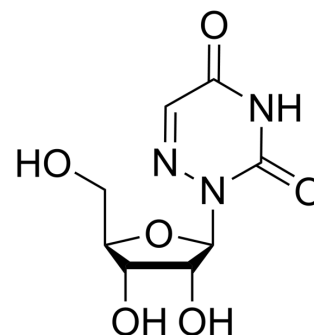


## 6-Azuridine

<b>Cat. No.:</b>	HY-131611		
<b>CAS No.:</b>	54-25-1		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>11</sub> N <sub>3</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	245.19		
<b>Target:</b>	Nucleoside Antimetabolite/Analog		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (101.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.0785 mL	20.3923 mL	40.7847 mL
	5 mM	0.8157 mL	4.0785 mL	8.1569 mL
	10 mM	0.4078 mL	2.0392 mL	4.0785 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: ≥ 2.5 mg/mL (10.20 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (10.20 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (10.20 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

6-Azuridine (6-Azauridine) is a purine nucleoside analogue. 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<sup>[1]</sup>.

### REFERENCES

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

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