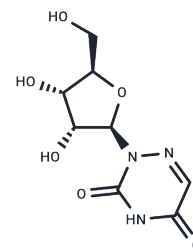


6-Azuridine

Chemical Properties

CAS No. :	54-25-1
Formula:	C ₈ H ₁₁ N ₃ O ₆
Molecular Weight:	245.19
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	6-Azuridine (6-Azuridine) is a purine nucleoside analog with a broad spectrum of antitumor activity, targeting malignant tumors of the inert lymphatic system and inducing apoptosis. 6-Azuridine's anticancer mechanism is dependent on the inhibition of DNA synthesis.
Targets(IC50)	Apoptosis, Nucleoside Antimetabolite/Analog, AMPK, Autophagy, SARS-CoV, MDM-2/p53

Solubility Information

Solubility	DMSO: 55 mg/mL (224.32 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.16 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0816 mL	0.4078 mL	0.8157 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Robak T, et al. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

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