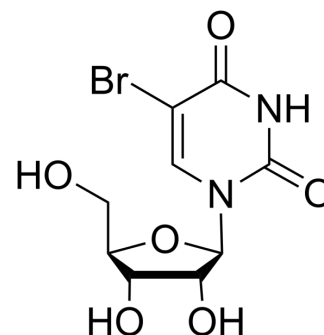


5-Bromouridine

Cat. No.:	HY-W009163	
CAS No.:	957-75-5	
Molecular Formula:	C ₉ H ₁₁ BrN ₂ O ₆	
Molecular Weight:	323.1	
Target:	Nucleoside Antimetabolite/Analog	
Pathway:	Cell Cycle/DNA Damage	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (309.50 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	3.0950 mL	15.4751 mL
5 mM			0.6190 mL	3.0950 mL	6.1900 mL
10 mM			0.3095 mL	1.5475 mL	3.0950 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 (7.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.74 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-Bromouridine is a pyrimidine nucleoside analog. Pyrimidine 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].

REFERENCES

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

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