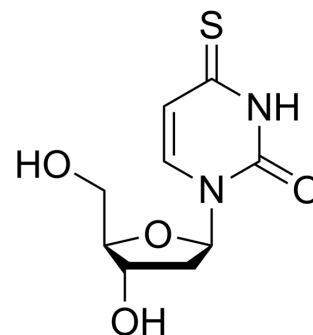


4-Thio-2'-deoxyuridine

Cat. No.:	HY-W251781		
CAS No.:	5580-20-1		
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₄ S		
Molecular Weight:	244.27		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (204.69 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.0938 mL	20.4692 mL	40.9383 mL
	5 mM	0.8188 mL	4.0938 mL	8.1877 mL
	10 mM	0.4094 mL	2.0469 mL	4.0938 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Thio-2'-deoxyuridine 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].

REFERENCES

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

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

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