



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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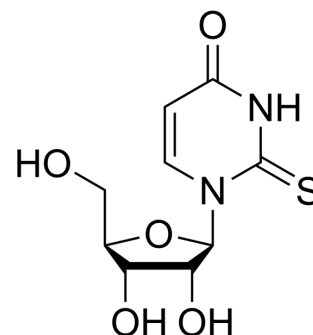
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2-Thiouridine

Cat. No.:	HY-117813		
CAS No.:	20235-78-3		
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₅ S		
Molecular Weight:	260.27		
Target:	Nucleoside Antimetabolite/Analog; Apoptosis; DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage; Apoptosis		
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 (192.11 mM; Need ultrasonic)
H₂O : 10 mg/mL (38.42 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.8421 mL	19.2107 mL	38.4215 mL
	5 mM		0.7684 mL	3.8421 mL	7.6843 mL
	10 mM		0.3842 mL	1.9211 mL	3.8421 mL

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

BIOLOGICAL ACTIVITY

Description

2-Thiouridine (2-Thioxo-2-deoxouridine) 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^[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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