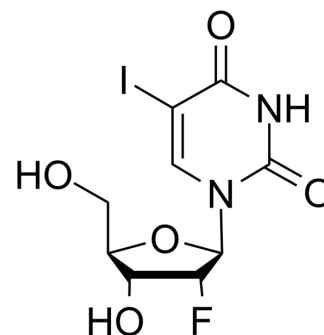


2'-Deoxy-2'-fluoro-5-iodouridine

Cat. No.:	HY-W342664
CAS No.:	55612-21-0
Molecular Formula:	C ₉ H ₁₀ FIN ₂ O ₅
Molecular Weight:	372.09
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (335.94 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent \ Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.6875 mL	13.4376 mL	26.8752 mL
		5 mM		0.5375 mL	2.6875 mL	5.3750 mL
		10 mM		0.2688 mL	1.3438 mL	2.6875 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.59 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2'-Deoxy-2'-fluoro-5-iodouridine 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] .
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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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