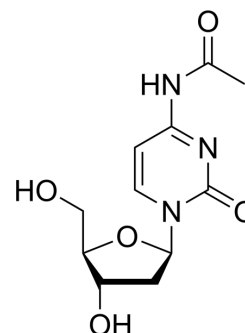


N-Acetyl-2'-deoxycytidine

Cat. No.: HY-W130204
CAS No.: 32909-05-0
Molecular Formula: C₁₁H₁₅N₃O₅
Molecular Weight: 269.25
Target: Nucleoside Antimetabolite/Analog
Pathway: Cell Cycle/DNA Damage
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (464.25 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.7140 mL	18.5701 mL	37.1402 mL
	5 mM		0.7428 mL	3.7140 mL	7.4280 mL
	10 mM		0.3714 mL	1.8570 mL	3.7140 mL

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

BIOLOGICAL ACTIVITY

Description

N-Acetyl-2'-deoxycytidine 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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