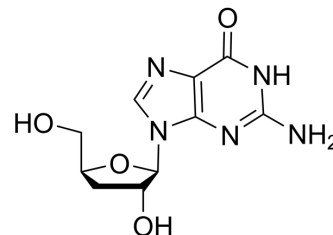


3'-Deoxyguanosine

Cat. No.:	HY-W013330
CAS No.:	3608-58-0
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₄
Molecular Weight:	267.24
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 : 100 mg/mL (374.20 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.7420 mL	18.7098 mL	37.4195 mL
		5 mM	0.7484 mL	3.7420 mL	7.4839 mL
	10 mM	0.3742 mL	1.8710 mL	3.7420 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.35 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	3'-Deoxyguanosine (Guanosine, 3'-deoxy-) 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA