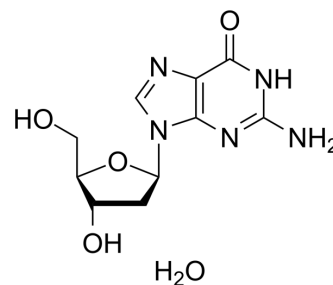


2'-Deoxyguanosine monohydrate

Cat. No.:	HY-D0185		
CAS No.:	312693-72-4		
Molecular Formula:	C ₁₀ H ₁₅ N ₅ O ₅		
Molecular Weight:	285.26		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 25 mg/mL (87.64 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	3.5056 mL	17.5279 mL	35.0557 mL
	5 mM	0.7011 mL	3.5056 mL	7.0111 mL
	10 mM	0.3506 mL	1.7528 mL	3.5056 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (4.38 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (4.38 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	2'-Deoxyguanosine monohydrate is an endogenous metabolite.	
IC₅₀ & Target	Human Endogenous Metabolite	Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Cell Rep. 2020 Mar 31;30(13):4370-4385.e7.
 - Cell Rep. 2020 May 12;31(6):107640.
 - Research Square Preprint. 2021 Aug.

See more customer validations on www.MedChemExpress.com

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

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