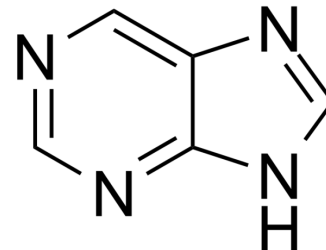


## Purine

Cat. No.:	HY-34431		
CAS No.:	120-73-0		
Molecular Formula:	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub>		
Molecular Weight:	120.11		
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 : 50 mg/mL (416.29 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	8.3257 mL	41.6285 mL	83.2570 mL
	5 mM	1.6651 mL	8.3257 mL	16.6514 mL
	10 mM	0.8326 mL	4.1629 mL	8.3257 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: ≥ 2.5 mg/mL (20.81 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	Purine is an endogenous metabolite.
IC <sub>50</sub> & Target	Human Endogenous Metabolite

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

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