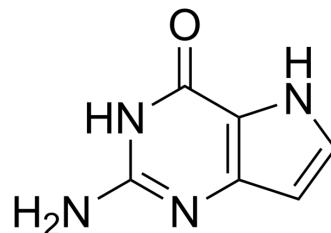


## 9-Deazaguanine

Cat. No.:	HY-121106
CAS No.:	65996-58-9
Molecular Formula:	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O
Molecular Weight:	150.14
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 3.33 mg/mL (22.18 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.6604 mL	33.3022 mL	66.6045 mL
	5 mM	1.3321 mL	6.6605 mL	13.3209 mL
	10 mM	0.6660 mL	3.3302 mL	6.6605 mL

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

### BIOLOGICAL ACTIVITY

#### Description

9-Deazaguanine is a nucleoside analog with potent inhibitory activity against purine nucleoside phosphorylase (PNP)<sup>[1]</sup>.

### REFERENCES

[1]. Beata Wielgus-Kutrowska, et al. Trimeric purine nucleoside phosphorylase: exploring postulated one-third-of-the-sites binding in the transition state. Bioorg Med Chem. 2012 Nov 15;20(22):6758-69.

**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