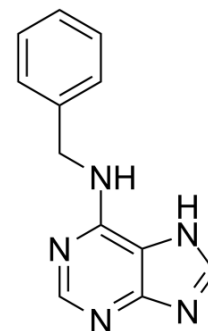


6-Benzylaminopurine

Cat. No.:	HY-B0941		
CAS No.:	1214-39-7		
Molecular Formula:	C ₁₂ H ₁₁ N ₅		
Molecular Weight:	225.25		
Target:	Others		
Pathway:	Others		
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 (221.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4395 mL	22.1976 mL	44.3951 mL
	5 mM	0.8879 mL	4.4395 mL	8.8790 mL
	10 mM	0.4440 mL	2.2198 mL	4.4395 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
Solubility: ≥ 2.5 mg/mL (11.10 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.5 mg/mL (11.10 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.5 mg/mL (11.10 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

6-Benzylaminopurine is a first-generation synthetic cytokinin that elicits plant growth and development, also is an inhibitor of respiratory kinase in plants, increases post-harvest life of green vegetables.

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