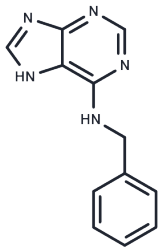
Data Sheet (Cat.No.T1004)

TargetMol

6-Benzylaminopurine

Chemical Properties



CAS No. : 1214-39-7

Formula: C12H11N5

Molecular Weight: 225.25

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	6-Benzylaminopurine (6-BAP), benzyl adenine or BAP is a first-generation synthetic cytokinin that elicits plant growth and development responses, setting blossoms and stimulating fruit richness by stimulating cell division. It is an inhibitor of respiratory kinase in plants, and increases post-harvest life of green vegetables.
Targets(IC50)	Others
In vitro	6-BA promotes plant branching, increases resistance to disease, drought, cold, or high salt levels and increases flowering and fruit set by decreasing flower drop[1].

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 34.62 mg/mL (153.7 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4395 mL	22.1976 mL	44.3951 mL
5 mM	0.8879 mL	4.4395 mL	8.879 mL
10 mM	0.444 mL	2.2198 mL	4.4395 mL
50 mM	0.0888 mL	0.444 mL	0.8879 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Plant Growth Hormones, 6-Benzylaminopurine (6-BA).

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481