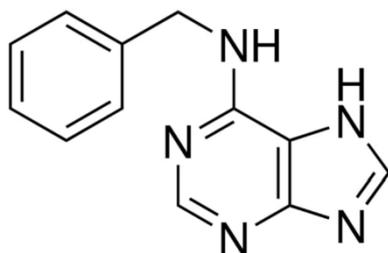


## 6-Benzylaminopurine Solution (1.0 Mg/MI) [1214-39-7]

#Cat: NB-42-01973-100ml

Size: 100ml



### Description:

6-Benzylaminopurine is a plant growth regulator that belongs to the class of first generation synthetic cytokinin used in agriculture.

### Product Information:

**Synonyms:** 6-BAP, BA, N6-Benzyladenine

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>

**Molecular Weight:** 225.25

**CAS No.:** [1214-39-7]

**Physical Appearance:** liquid

**Concentration:** 1mg/ml

**MDL Number:** MFCD00005572

**Storage:** Ambient

### Application:

- to induce sprouting in plant materials
- in seed germination medium for culturing of seeds
- to modify Murashige and Skoog (MS) media for shoot initiation

6-Benzylaminopurine, benzyl adenine (BAP) is a synthetic cytokinin which together with auxins elicits plant growth and development responses. BAP is a widely use cytokinin supplement to plant growth media such as Murashige and Skoog medium, Gamborg's medium, and Chu's N6 medium.

**Biological activity:**

BAP is an inhibitor of respiratory kinase in plants, and increases post-harvest life of green vegetables.

**Physiochemical Specifications:**

Test	Specifications	Results
Solubility	Miscible with Water	Passes
PH ( Neat )	For Information Only	11.14
Physical Appearance		
Color	Colorless	Colorless
Texture	Clear Liquid	Clear Liquid
Insoluble		Passes
Sterility by USP <7 >	Sterile	Passes
Purity of Raw Material	Minimum 98.0%	98.7%

**Biological Testing:**

Test Concentration: 5.0ml (5.0mg)/L

TEST SPECIFICATIONS	PLANT CELL LINE	RESULTS
Support and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Tobacco callus	Passes
	Dianthus	Passes