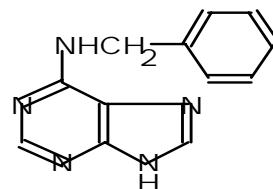




# LT BIOSYN, INC. LYSINE BIOTECH, INC.

## 6-Benzylaminopurine (6BA)

**CHEMICAL NAME** 6-Benzylaminopurine (6-BA)  
N6-Benzyladenine  
6-(N-Benzylamino)purine



**CA NAME AND RN** N-Benzyl-adenine (8CI) C<sub>12</sub>H<sub>11</sub>N<sub>5</sub> 225.26  
N-(Phenylmethyl)-1H-purin-6-amine (9CI) [1214-39-7]

**SPECIFICATION** Appearance: White crystals  
Content: 99.0%  
Melting Point: 228-230°C

**TOXICOLOGY** Acute oral LD<sub>50</sub> (rat): 1.3 g/kg  
Acute dermal LD<sub>50</sub> (rabbit): >5 g/kg  
Eye Irritation (rabbit): Moderate Irritant  
Dermal Irritation (rabbit): Slight Irritant  
Dermal Sensitization (guinea pig): Not a sensitizer

### APPLICATIONS

6-BA is an artificially synthesized cytokinin used on various agriculture and horticultural commodities. It is applied in various stages from germination to harvest. 6-BA Technical may be formulated for use on crops and ornamentals such as:

- Citrus - Improves flower set, increases fruit set, and promotes new twig growth.
- Apples - Accelerates growth of side buds and fruit, improves fruit set.
- Grapes - Prevents flower fall, prolongs seedless treatment time, and increases fruit set.
- Melons - Accelerates growth, improves fruit set, increases the number of female flowers, and improves yield.
- Vegetables - Prolongs storage duration.
- Rice seedlings - Prevents seed yellowing, increases survival rates, and improves yield.
- Flowers - Promotes the growth of auxiliary buds, increases the number of flower buds, accelerates flower growth, and prevents flower drop from cuttings.

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