

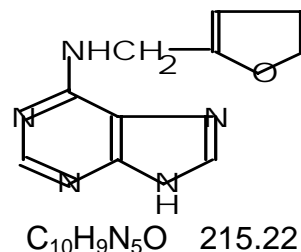


LT BIOSYN, INC. LYSINE BIOTECH, INC.

6-Furfurylaminopurine (Kinetin)

COMMON NAME 6-furfurylaminopurine (Kinetin)

CHEMICAL NAME 6-furanylmethylaminopurine
6-furfurylamino-7(9)*H*-purine
*N*6-furfuryladenine



CA NAME AND RN *N*-(2-furanylmethyl)-1*H*-purin-6-amine [525-79-1]

SPECIFICATION Appearance: White crystals
Content: 98.5%
Melting point: 265-266°C

TOXICOLOGY Acute oral LD₅₀ (rat): >5 g/kg
Acute dermal LD₅₀ (rabbit): >2 g/kg
Eye Irritation (rabbit): Slight irritant
Dermal Irritation (rabbit): Slight Irritant

APPLICATIONS

Kinetin is a plant growth regulator with cytokinin-like physiological activity. Kinetin may be applied to fruit trees, vegetables, and tissue cultures to promote seed germination and to end the dormant state of lateral buds. Kinetin aids in delaying the aging process of the plant; regulating the transport of nutrients; and promoting fruit formation.

Kinetin Technical may be formulated for use on ornamentals and crops such as:

<u>Crop</u>	<u>Effect</u>
Cauliflower, celery, spinach, lettuce, radish, carrot	Maintain chlorophyll
Cabbage	Improve storage duration
Apple	Promotes fruit set
Lettuce seed	Promotes germination
Potato	Promotes germination
Tomatoes	Delays ripening
Azalea	Promotes early blossoming
Cola nitida	Promotes germination

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