



Specialized in chemicals

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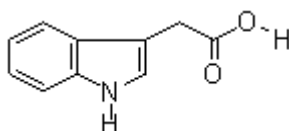
Technical Data Sheet

Indole-3-acetic acid

Product Information

| | |
|------------------|---|
| Chemical Name | Indole-3-acetic acid |
| CAS # | 87-51-4 |
| Formula | C ₁₀ H ₉ NO ₂ |
| Molecular Weight | 175.19 |
| Synonyms | Indole-3-acetate; Acetic acid, indolyl-; .alpha.-IAA; |

Structural formula:



Physical Properties

Appearance:white to tan crystals

Molecular Weight:175.19

Density:1.354 g/cm³

Boiling Point:415 °C at 760 mmHg

Melting Point:165-169 °C

Flash Point:171 °C

Storage Temperature:20 °C

Solubility:insoluble in water

Stability:Stable. Incompatible with strong oxidizing agents. Light sensitive.

Specification

| Item | Standard |
|------|----------|
|------|----------|

| | |
|-------------------------|-------------------|
| Appearance | Off-white crystal |
| Content | 99.0% min. |
| Melting point | 166-169°C |
| Residues after ignition | 0.5% max. |
| Loss on drying | 0.5% max. |

Applications

It's a natural endogenous auxin which generally exist in plant.

It affects cell division and cell elongation.

Used to stimulate rooting of cuttings for herbaceous and woody ornamentals.

Used on adventitious root formation, such as tea tree, pepper,etc.

It can promote fruit-setting, fruit-enlargement, yield- increasing, such as sugar beet, tomato, cornpotato.

Packaging

25kgs/drum,1kg/bag or according to customers demand

Storage & Handling

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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