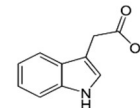




TECHNICAL DATA SHEET

Product Name: Indole-3-Acetic Acid



Specifications

Parameters	Specifications	Typical results
Appearance	White to off white Or Slightly Pinkish Crystalline powder	Complies
Identification	Concorded With Standard Reference Spectrum.	Complies
Water Content by KF	NMT 0.5%	0.05%
Assay Purity by HPLC	NLT 99.00%	99.71%

Stability and storage:

Indole-3-acetic acid (IAA), a plant hormone, should be stored in a refrigerated environment, ideally between 2°C and 8°C, to maintain its stability. It is also light and moisture sensitive, so it should be stored in a cool, dry, and well-ventilated area, protected from direct sunlight.

Recommended Temp: 2°C and 8°C.

IAA is sensitive to light, heat, air, pH and even to susceptible to microbial degradation. Keep in a dry place to avoid moisture-related degradation. Store in a well-ventilated place to prevent buildup of any potential decomposition products. Store in a sealed, dark glass bottle or Container

Application Areas

Indole-3-Acetic Acid is a key component in rooting hormone formulations, promoting the formation of adventitious roots on cuttings, especially in nurseries and nurseries.

It is a primary auxin hormone, and its effects on cell division, elongation, and differentiation are studied extensively in plant biology research.

General information

CAS No.	: 87-51-4
IUPAC Name	: (1H-Indol-3-yl) acetic acid
Synonyms	: Indolyl acetic acid, IAA
EC No	: 201-748-2

Physical/Chemical properties

Molecular Formula	: C10H9NO2
Molecular Weight	: 175.187
Physical state at 20°C	: Solid
Flash Point	: 171 °C
Melting Point	: 168 to 170 °C
Boiling point	: 306.47°C

Hazard classification & labelling

Single Word : Warning

Pictogram:



Classification according to Regulation (EC) No 1272/2008: : H319, H315, H335

Precautionary statement(s) : P302 + P352, P312, P280, P305 + P351 + P338, P304 + P340