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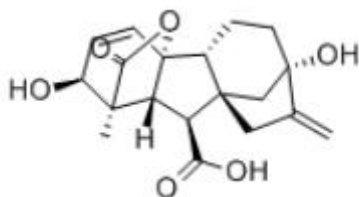
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Technical Data Sheet

Gibberellic acid

Product Information

Chemical Name	Gibberellic acid
CAS #	77-06-5
EINECS	201-001-0
Formula	C ₁₉ H ₂₂ O ₆
Molecular Weight	346.37
Synonyms	(3s,3ar,4s,4as,7s,9ar,9br,12s)-7,12-dihydroxy-3-methyl-6-methylene-2-oxoperhyd
Chemical Structure	



Description

Gibberellic acid is slightly soluble in water. Gibberellic acid is a plant hormone that is found in plants which promotes the growth and elongation of cells. It is a white to pale yellow crystal powder.

Physical Properties

Appearance	White to pale yellow crystal powder
Melting point, °C	227
Water solubility, g/ml	5.0
Content of Gibberellic(A3),%	≥90.0
Loss on drying, %(K.F.)	≤0.5
Specific optical rotation[α] _{20D}	≥+80

Specification

Appearance	White to pale yellow crystal powder
Content of Gibberellic(A3),%	≥90.0

Loss on drying, %(K.F.) ≤0.5
Specific optical rotation[α]_D²⁰ ≥+80

Safety

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Applications

Gibberellic Acid is a pentacyclic diterpene acid. Gibberellic Acid is a plant growth hormone that is found in plants which promotes the growth and elongation of cells. Gibberellic acid acts as a plant growth regulator on account of its physiological and morphological effects in extremely low concentrations. Generally Gibberellic acid affects only the plant parts above the soil surface.

Packaging

25kg per fiber drum

Storage & Handling

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Store under inert gas.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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