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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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(+)-Abscisic Acid

Plant growth inhibitor
Catalog No. SIH-415



Discovery through partnership | Excellence through quality

Overview

Product Name

(+)-Abscisic Acid

Description

Plant growth inhibitor

Purity

99.5%

CAS No.

21293-29-8

Molecular Formula

C₁₁H₁₈O₄

Molecular Weight

264.32

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in ethanol or DMSO.

Source

Isolated from fermentation

Appearance

Light yellow solid

SMILES

[C@@]1(O)C(CC(=O)C=C1C)(C)C=CC(=C/C(=O)O)C

InChI

InChI=1S/C₁₅H₂₀O₄/c1-10(7-13(17)18)5-6-15(19)11(2)8-12(16)9-14(15,3)4/h5-8,19H,9H2,1-4H3,(H,17,18)/b6-5+,10-7-

InChIKey

JLIDBLDQVAYHNE-LXGGSRJLSA-N

Safety Phrases

Classification: Not WHMIS controlled.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Cite This Product

(+)-Abscisic Acid (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-415)

Biological Description

Alternative Names

(2Z,4E)-5-(1-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl)-3-methyl-2,4-pentadienoic acid

Research Areas

Cell Signaling

PubChem ID

5375199

Scientific Background

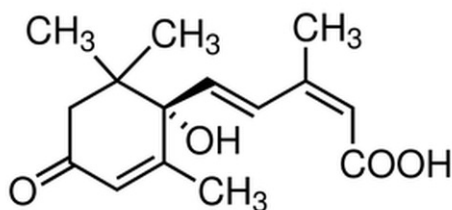
Abscisic acid is a naturally occurring plant hormone and gene regulator. It functions to regulate plant growth, more specifically having an effect on several physiological mechanisms including seed dormancy, leaf abscission, stomatal movement, and plant stress responses. This is the active isoform and is ultrapure.

References

1. Himmelbach A., Yang Y., & Grill E. (2003) Curr Opin Plant Biol. 470-9.
 2. Li J., Wang X., Watson M., & Assmann S. (2000) Science. 300-3.
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Product Images

Chemical structure of (+)-Abscisic Acid (SIH-415), a Plant growth inhibitor. CAS #: 21293-29-8. Molecular Formula: C₁₅H₂₀O₄. Molecular Weight: 264.32 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.