



(±)-Abscisic Acid

Synonym: ABA; Dormin; Abscisin II; mixture of (2Z,4E)-5-[(1S)-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl]-3-methyl-2,4-pentadienoic Acid and its enantiomer (2Z,4E)-5-[(1R)-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl]-3-methyl-2,4-pentadienoic Acid

CAS: 14375-45-2

Formula: C₁₅H₂₀O₄

Molecular Wt: 264.32

Properties

Form: Powder

Appearance: White to Yellow Powder

Application: Plant Growth Regulator

Solubility: KOH

Typical Working

Concentration:

Storage Temp: -20 to 0°C

Storage Temp of Solution stored at -20 to 0°C may be stable for up to 1 year

Stock Solution:

Other Notes: Plant Tissue Culture Tested

Application Notes

Please Note: While *PhytoTechnology Laboratories*[™] tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

Abscission-accelerating plant hormone. ABA is involved in leaf abscission, stomal movement, and helps mediate plant response to environmental stress. It has also been demonstrated to regulate seed maturation and germination.

References

Merck 13, 9

Revised 1/2012