



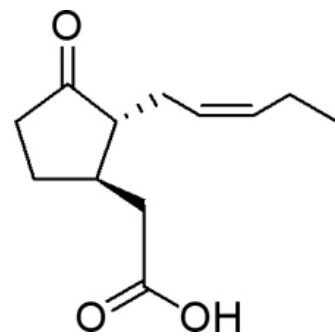
Product Information Sheet

J379 (+/-) Jasmonic Acid, Free Acid

Synonym: (1R,2R)-3-Oxo-2-(2Z)-2-penten-ylcyclopentaneacetic Acid
CAS: 3572-66-5
Formula: C₁₂H₁₈O₃
Molecular Wt: 210.3

Properties

Form: Liquid
Appearance: Colorless to Light Yellow, Clear Liquid
Application: Plant Growth Regulator, Plant Defense
Solubility: Miscible with EtOH
Typical Working Concentration: Varies with application, should be determined by end user.
Storage Temp: 2 to 6 °C
Other Notes: Plant Tissue Culture Tested



Application Notes

Jasmonic Acid (JA) is a fatty-acid-derived signaling molecule in plants that is involved in pollen and seed development as well as plant defense against factors such as wounding, ozone, insects and microbe pathogens (Farmer et al, 1992).

References

Merck 13, 5279

Farmer EE, RR Johnson and CA Ryan (1992) Regulation of Expression of Proteinase Inhibitor Genes by Methyl Jasmonate and Jasmonic Acid. *Plant Physiol.* 98, 995-1002.