



Product Information Sheet

P6847

Prohexadione-Calcium

Synonym: BX-112, 3,5-Dioxo-4-propionyl-cyclohexanecarboxylic acidcalcium salt
CAS: 127277-53-6
Formula: $C_{10}H_{10}CaO_5$
Molecular Wt: 250.26 g/mol

Properties

Form: Powder
Appearance: Under Development
Application: Plant Growth Regulator
Solubility: 174 mg/L in water at 20°C
Typical Working Concentration: 83-250 mg/L in pear fruit size reduction
Storage Temp: Room Temperature
Other Notes: For Research Use Only

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.

References

Merck 13, 7868

D. Sugar, D.C. Elfving, and E.A. Mielke. (2004) Effects of Prohexadione-Calcium on Fruit Size and Return Bloom in Pear. *HortScience* Vol. 39(6) pg 1305.