



Product Information Sheet

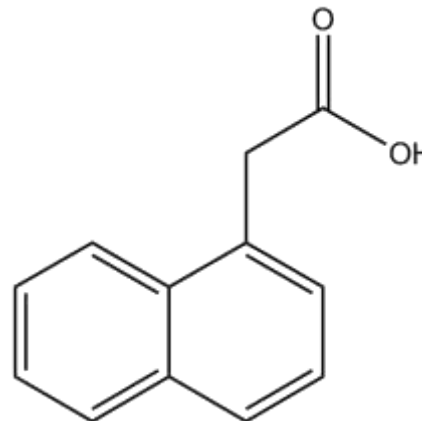
N600

α-Naphthaleneacetic Acid

Synonyms: NAA; 1-Naphthaleneacetic Acid
CAS: 86-87-3
Formula: C₁₂H₁₀O₂
MW: 186.21 g/mol

Properties:

Form: Powder
Appearance: White to Off-White Powder
Application: Auxin
Solubility: 0.1 N KOH
Storage Temp: Room Temperature
Stock Solution Storage Temp: 2-8°C
Typical Working Concentration: Varies by application. Concentration should be determined by end user.
Other Notes: Plant Tissue Culture Tested; For Research Use Only



Application Notes:

NAA is a synthetic auxin known to produce adventitious roots when exogenously applied since nearly the time of IAA's discovery as an auxin (Zimmerman and Wilcoxon, 1935). Though NAA is not known to exist naturally in plants, it has a long history of use in plant tissue culture (Skoog 1944, Morel and Wetmore 1951).

PhytoTechnology Laboratories® also carries NAA solution (1 mg/mL), Product No. N605, a potassium salt form, Product No. N610, and a sodium salt form, Product No. N5999.

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, 6397

Morel G, and RH Wetmore (1951) Tissue Culture of Monocotyledons. *Am. J. Bot.* Vol. 38(2):138-140

Skoog F (1944) Growth and Organ Formation in Tobacco Tissue Cultures. *Am. J. Bot.* Vol. 31(1):19-24

Zimmerman PW and F Wilcoxon (1935) *Contrib. Boyce Thompson Inst.* Vol. 7:209-229

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