



## Product Information Sheet

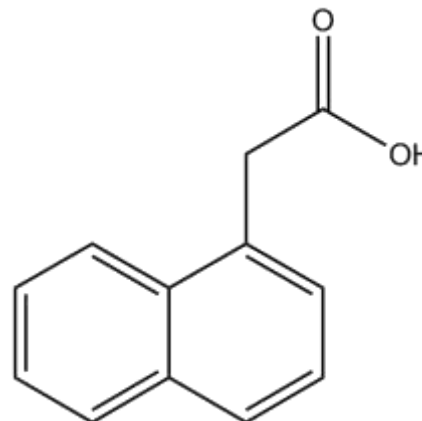
**N605**

### **α-Naphthaleneacetic Acid (NAA) Solution (1 mg/mL)**

Synonyms: NAA; 1-Naphthaleneacetic Acid  
CAS: 86-87-3  
Formula: C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>  
MW: 186.21 g/mol

#### **Properties:**

Form: Liquid  
Appearance: Clear, Colorless  
Application: Auxin  
Solubility: Miscible with water  
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 as a free acid salt, Product No. N600, 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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