

# Stock Solution



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## Benzylaminopurine

### Instructions

1. To prepare a 1 mg/ml stock solution, add 100 mg of the Benzylaminopurine to a 100 ml volumetric flask or other glass container.
2. Add 2-5 ml of 1 N NaOH to dissolve the powder. Once completely dissolved, bring to volume with molecular biology grade water. Stirring the solution while adding water may be required to keep the material in solution.
3. Store the stock solution at 2 - 8 °C.
4. Add 1.0 ml of the stock solution to 1 liter of medium to obtain a final concentration of 1.0 mg/L of the Benzylaminopurine in the culture medium.

**Note:** Benzylaminopurine is generally used in plant cell culture at a concentration of .1 – 10 mg/L. When added in appropriate concentrations Benzylaminopurine can stimulate auxiliary and adventitious root formation.