



Product Information Sheet

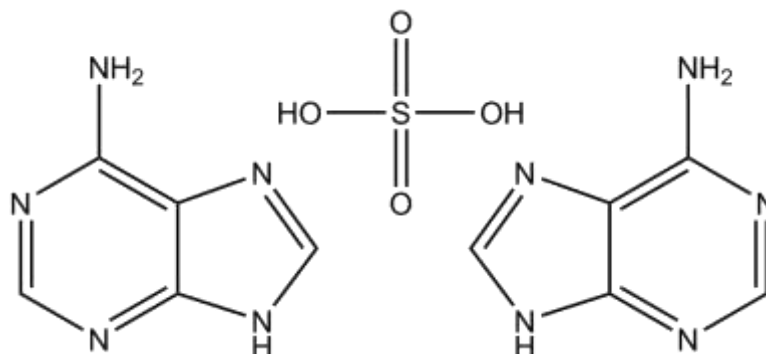
A545

Adenine Hemisulfate

Synonym: 6-Aminopurine Sulfate
CAS: 321-30-2
Formula: $(C_5H_6N_5)_2SO_4$
MW: 368.33 g/mol

Properties:

Form: Powder
Appearance: White to Yellow
Application: Vitamin with Cytokinin properties
Solubility: Aqueous KOH (0.1N)
Typical Working Concentration: Varies by application, should be determined by the end user.
Storage Temp: Room Temperature
Other Notes: Plant Tissue Culture Tested



Application Notes:

Adenine is primarily used in plant regeneration media and is known to have a slight cytokinin effect (George *et al.* 2008).

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:

George EF, Hall MA, and GJ De Klerk (2008). Plant Propagation by Tissue Culture. Volume 1. The Background, 3rd Ed. Springer. The Netherlands
Merck **13**, 152