



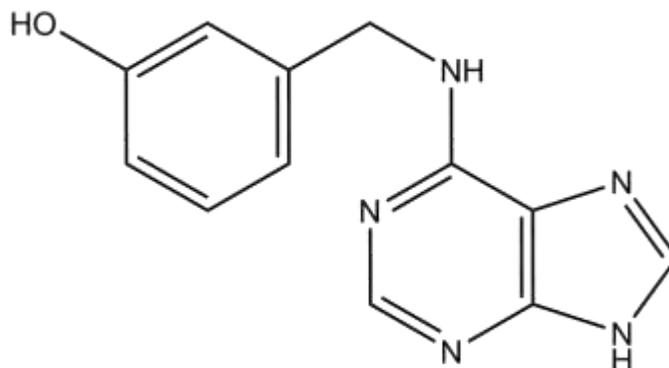
## Product Information Sheet

### T841 *meta*-Topolin

Synonyms: 6-(3-Hydroxybenzylamino)purine  
CAS: 75737-38-1  
Formula: C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>O  
MW: 241.25 g/mol

#### Properties:

Form: Powder  
Appearance: Cream to Yellow Powder  
Application: Plant Growth Regulator; Cytokinin  
Solubility: Soluble at 0.05N KOH  
Storage Temp: -20°C  
Stock Solution Storage Temp: -20°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:

*meta*-Topolin is an aromatic adenine-based cytokinin that was first isolated from poplar leaves (Horgan *et al.* 1975). In *Spathiphyllum*, *meta*-Topolin was found not to be as inhibitory to rooting during multiplication as BA is (Werbrouck *et al.* 1996).

PhytoTechnology Laboratories® also carries *meta*-Topolin solution at 1 mg/mL, Product No. T7885.

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:

Horgan R, Hewett EW, Horgan JM, Purse J. and PF Wareing (1975) *Phytochemistry* Vol. 14:1005-1008.

Werbrouck SPO, Strnad M, Van Onckelen HA, and PC Debergh. (1996) *Physiologia Plantarum*. Vol. 98:291-297.

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