## **PhytoTechnology Laboratories®**



Helping to Build a Better Tomorrow through Plant Science™

## **Product Information Sheet**

N6179 1-Naphthol

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Synonyms: α-Naphthol CAS: 90-15-3

CAS: 90-15-3Formula:  $C_{10}H_8O$ Mol. Weight: 144.17

**Properties** 

Form: Powder

Appearance: White to Tan Powder Solubility: Soluble in Ethanol

Application: Molecular Biology, Seed Testing, Histology

Storage Temp: Room Temperature

Typical Working Concentration:

Varies with application, should be determined by end user.

Other Notes: Used in Molisch's Test

**Application Notes** 

Has been used for staining or visualization of glycoglycerolipids (Benning et al. 1995) and in Molisch's test for the detection of carbohydrates (Nigam 2007). Murthy & Raghu (1990) noted that applying 1-naphthol to barley seeds stimulated seedling growth significantly.

References

Benning C, Huang ZH, Gage DA (1995) Accumulation of a novel glycolipid and a betaine lipid in cells of Rhodobacter sphaeroides grown under phosphate limitation. *Arch Biochem Biophys* 317: 103–111.

Murthy NBK and K Raghu (1990) Effect of carbaryl and 1-naphthol on seedling growth of barley, and on growth and nodulation of groundnut in two soils. *Proceedings: Plant Sciences* 100(1):11-15.

Nigam, A. (2007) Lab Manual of Biochemistry. Tata McGraw-Hill Education, ISBN: 0070617678. Pg. 21-22.

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