

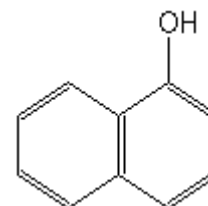
## Product Information Sheet

### N6179 1-Naphthol

Synonyms:  $\alpha$ -Naphthol  
 CAS: 90-15-3  
 Formula: C<sub>10</sub>H<sub>8</sub>O  
 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 glycolipids (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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