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Product Information

Methyl 4-hydroxybenzoate

Product Number **H5501**
Store at Room Temperature

Product Description

Molecular Formula: $C_8H_8O_3$
Molecular weight: 152.1
Synonym: methyl paraben

This product can be used to inhibit yeast growth and can also be used as an antimicrobial agent for Gram-positive anaerobic bacteria.¹ It must be suspended in ethanol first, since it does not dissolve readily in water. This product is also indicated to have some pheromonal properties.^{2,3}

This product is synthetic.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in ethanol (50 mg/ml). This product is soluble at 1 part per 2 parts of alcohol and only 1 part in 400 parts of water.⁴

Storage/Stability

This product can be autoclaved in solution, but only if buffered at pH 3-6. If not buffered, and autoclaved at pH 6-9, significant decomposition will occur.⁴

References

1. Kinetics of degradation of the parabens. J. Soc. Cosmet. Chem., **23**, 495-506 (1974).
2. The Merck Index, 11th ed., Entry# 6021.
3. Goodwin, M., et al., Sex pheromone in the dog. Science, **203**, 559-561 (1979).

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