Anisole

Product Number A 4405
Store at Room Temperature

**Product Description**

Molecular Formula: C\(_7\)H\(_8\)O
Molecular Weight: 108.1
CAS Number: 100-66-3
Boiling Point: 155.5 °C (760 torr)\(^1\)
Density: 0.9956 g/ml (18 °C)\(^1\)
Synonym: methoxybenzene

Anisole is a solvent used in the synthesis of organic compounds and in large-scale applications such as the production of perfumes.\(^1\) Anisole has been used directly in the synthesis of the marine pyrrole alkaloids polycitone A and B and the nonylphenol isomer 4-(3',6'-dimethyl-3'-heptyl)phenol.\(^2,3\) Anisole may also be utilized in the preparation of inorganic complexes and materials, such as tin-core/tin oxide nanoparticles.\(^4\)

Anisole is frequently used in the solid-phase synthesis of compounds, particularly in the cleavage of compounds from the resin, such as phosphopeptides, 2-(arylamino)quinazolinones and 1,5-disubstituted 2-aryliminoimidazolidines.\(^5,6,7\)

**Precautions and Disclaimer**

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

**Preparation Instructions**

This product is miscible in ethanol [0.1 ml/ml, 10% (v/v)], yielding a clear, colorless solution. It is also miscible in ether. This product is insoluble in water.\(^1\)

**References**

1. The Merck Index, 12th ed., Entry# 707.

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