Isopropyl alcohol
ACS Reagent

Product Number 19,076-4
Store at Room Temperature
Exact replacement for Product Number 10398

Product Description
Molecular Formula: C₃H₈O
Molecular Weight: 60.10
CAS Number: 67-63-0
Boiling Point: 82.5 °C (760 torr)
Density: 0.78505 g/ml (20 °C)
Synonyms: isopropanol, secondary propyl alcohol, dimethyl carbinol

This product is designated as ACS Reagent grade, and meets the specifications of the American Chemical Society (ACS) for reagent chemicals.

Isopropanol is a polar organic solvent that is widely used in chemistry, biochemistry, and molecular biology. Industrial applications include its use in antifreezes, quick-drying oils, and quick-drying inks, and as a solvent for gums, shellac, and essential oils. Isopropanol has been utilized as a solvent in the synthesis of solid phase acylating agents.

Protocols for the use of isopropanol in DNA precipitation from mammalian tissue, ethidium bromide extraction from DNA samples, and RNA isolation from cells and tissues have been reported. Isopropanol has been utilized in protein crystallization. The use of isopropanol to isolate retinoids from biological matrices for HPLC and HPLC-MS analysis has been published.

A mathematical analysis of isopropanol and other organic solvents to examine the selectivity of stationary phases and organic modifiers in reverse-phase HPLC systems has been published.

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

Preparation Instructions
This product is miscible in water, alcohol, ether, and chloroform.

References
1. The Merck Index, 12th ed., Entry# 5227.

GCY/RXR 6/03