Ammonium formate

Product Code 15,626-4
Store at Room Temperature
Replacement for Product Number F 2004

Product Description
Molecular Formula: CH₅NO₂
Molecular Weight: 63.06
CAS Number: 540-69-2
Melting Point: 116 °C¹
Density: 1.27 g/cc¹
Synonyms: formic acid ammonium salt

Ammonium formate is a salt that is widely used in such research applications as chromatography and electrophoresis. It is prepared from formic acid and ammonia gas.²

In capillary electrophoresis, ammonium formate has been used in the separation of non-steroidal anti-inflammatory drugs and of oligosaccharide mixtures.³ ¹⁴ HPLC and HPLC-MS methods have utilized ammonium formate in the analysis of a variety of substrates, including phosphatidylserines, triacylglycerols and triacylglycerol oxidation products, and oligogalacturonic acids.³ ¹⁴⁷ Ammonium formate has been utilized in protein crystallization.³

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

Preparation Instructions
This product is soluble in water (1000 mg/ml), yielding a clear, colorless solution.

Storage/Stability
This product is hygroscopic. It is advised to keep containers well closed.

References
1.  The Merck Index, 12th ed., Entry# 554.

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