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Product Information

Ammonium acetate

Product Number **A 1542**

Storage Temperature RT

Product Description

Molecular Formula: $C_2H_7NO_2$ Sambrook, J., and Russell, D. W., CSHL Press Molecular Weight: 77.08 (Cold Spring Harbor, NY: 2001), pp. 10.20-10.21,
CAS Number: 631-61-8

This product is designated as Molecular Biology grade form of the Kex1p serine carboxypeptidase from and is suitable for molecular biology applications. It *Saccharomyces cerevisiae*. Protein Sci., **5(2)**, has been analyzed for the presence of nucleases and 395-397 (1996).
proteases.

Ammonium acetate is a widely used reagent in characterization of native oligosaccharides from molecular biology and chromatography. Its glycoproteins. Rapid Commun. Mass Spectrom., applications include the purification and precipitation of **16(13)**, 1320-1329 (2002).
DNA^{1,2,3} and protein crystallization.⁴

Ammonium acetate is commonly used in HPLC and properties of human recombinant alphaMS analysis of various compounds, such as parvalbumin and nine mutant proteins. Anal. oligosaccharides,⁵ proteins,⁶ and peptides.⁷ A Biochem., **268(1)**, 64-71 (1999). procedure for the nonaqueous capillary 7. Cummings, J., et al., Development of a gradient electrophoresis-mass spectrometry (NACE-MS) of elution high-performance liquid chromatography lipophilic peptides and therapeutic drugs using assay with ultraviolet detection for the ammonium acetate has been reported.⁸ determination in plasma of the anticancer peptide

Precautions and Disclaimer

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

Preparation Instructions

This product is soluble in water (570 mg/ml), yielding a therapeutic drugs: on-line-nonaqueous capillary clear, colorless solution. electrophoresis-mass spectrometry. J. Biochem.

References

1. Stemmer, W. P., A 20-minute ethidium GCY/AJH 4/05 bromide/high-salt extraction protocol for plasmid DNA. Biotechniques, **10(6)**, 726 (1991).
2. Saporito-Irwin, S. M., et al., Ammonium acetate protocol for the preparation of plasmid DNA suitable for mammalian cell transfections. Biotechniques, **23(3)**, 424-427 (1997).

3. Molecular Cloning: A Laboratory Manual, 3rd ed.,
A8.12.
4. Shilton, B. H., et al., Crystallization of a soluble

5. Barroso, R., et al., On-line high-performance liquid chromatography/mass spectrometric

6. Troxler, H., et al., Electrospray ionization mass spectrometry: analysis of the Ca^{2+} -binding

[Arg⁶, D-Trp^{7,9}, mePhe⁸]-substance P (6-11)

(antagonist G), its major metabolites and a C-terminal pyrene-labelled conjugate.

J. Chromatogr. B. Biomed. Sci. Appl., **732(2)**, 277-285 (1999).

8. Yang, Q., et al., Analysis of lipophilic peptides and

Biophys. Methods, **38(2)**, 103-121 (1999).

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