



>>Entry Name: Ammonium acetate

CAS Registry Number: 631-61-8

NH₄OAc

Molecular Formula: C₂H₇NO₂

Molecular Weight: 77.083

Accurate Mass: 77.047679

Percentage Composition: C 31.16%; H 9.15%; N 18.17%; O 41.51%

General Statement: Struct. is a 3-D H-bonded network with each O atom accepting 2 H bonds

Source/Synthesis: Synth. from AcOH + NH₃

Biological Use/Importance: Diuretic

Physical Description: Hygroscopic cryst.

Melting Point: Mp 114°

References:

Zuffanti, S., *J.A.C.S.*, 1941, **63**, 3123-3124, (*synth*)

Gutowsky, H.S. *et al.*, *J. Chem. Phys.*, 1954, **22**, 1782-1783, (*pmr*)

Schmidt, B.M. *et al.*, *J. Mol. Spectrosc.*, 1958, **2**, 539-550, (*N-14 nmr*)

Vratny, F. *et al.*, *Anal. Chem.*, 1961, **33**, 1455, (*ir*)

Nahringbauer, I., *Acta Cryst.*, 1967, **23**, 956-965, (*cryst struct*)