>> **Name: Ammonium hydroxide ($(NH_4)(OH)$),** 11Cl, 10Cl, 9Cl
ENTRY UNDER REVIEW
Synonym(s): Ammonia aqueous. Aqua ammonia

CAS Registry Number: 1336-21-6

$NH_3.H_2O$ rather than NH_4OH

Molecular Formula: H_5NO
Molecular Weight: 35.046
Accurate Mass: 35.037114
Percentage Composition: H 14.38%; N 39.97%; O 45.65%

Use/Importance: Commercially available
Physical Description: Colourless liq.
Melting Point: Mp –77°
Solubility: Sol. H_2O
Density: d^{20} 0.889297
Hazard & Toxicity: Corrosive. V. pungent odour, poison by ingestion. Severe eye irritant. Can inflict burns

Aldrich: 38053-9
Fluka: 9870
Sigma: A9315

>>**Derivative:** Penta-deutero compd.

CAS Registry Number: 12168-30-8
Molecular Formula: D_5NO
Molecular Weight: 40.077
Source/Synthesis: Synth. from $ND_3 + D_2O$
Aldrich: 17670-2

References:

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