



>>> **Acetamide**, 9CI

Ethanamide. Methanecarboxamide

DFR77-W

[60-35-5]

Classification: VX0250

H_3CCONH_2

$\text{C}_2\text{H}_5\text{NO}$ M 59.068. 59.037114. C 40.67%; H 8.53%; N 23.71%; O 27.09%

Isol. from some plants e.g. *Chimonanthus fragrans*. Produced industrially by distillation of ammonium acetate or by hydration of Acetonitrile [HFC99-Z](#). Solubiliser, plasticiser, stabiliser, used industrially as solv. in molten form. Dissolves virtually all classes of organic and inorganic compds.. Deliquescent, hexagonal cryst. Odourless when pure but usually has characteristic "mouse" odour. V. sol. H_2O , EtOH; sol. CHCl_3 ; prac. insol. Et_2O . Mp 82-83°. Bp 222°. Bp₅ 92°. $\text{pK}_{\text{a}1}$ -1.4 (25°). Triboluminescent.

♦ **Fl. p. >104°. Possible human carcinogen. Irritant. Exp. carcinogen (v. large dose). Exp. reprod. and teratogenic effects (large doses). AB4025000.**

Supplier: Aldrich:A105-3. Fluka:160. Rare Chemicals Library:S44664-5. Sigma:A6082

>>> *Hydrochloride (2:1)*: MCC75-X [13507-16-9] Cryst. (MeCN). Mp 130-131°

>>> *Hydrobromide (2:1)*: HCS66-U [20731-46-8] Reagent for brominating acid-sensitive compds.. Needles. Mp 138-139°

>>> *Picrate*: HCS68-W Mp 117°

>>> *N,N*-Di-Et: *N,N*-Diethylacetamide. MLV89-G [685-91-6] $\text{C}_6\text{H}_{13}\text{NO}$ M 115.175. 115.099714. C 62.57%; H 11.38%; N 12.16%; O 13.89%. Liq.. Bp 182-186°. Bp₃₀ 94°.

♦ **AB7000000.**

Supplier: Aldrich:13752-9. Fluka:31660

>>> *N,N*-Dipropyl: *N,N*-Dipropylacetamide. HOD46-X [1116-24-1] $\text{C}_8\text{H}_{17}\text{NO}$ M 143.228. 143.131014. C 67.09%; H 11.96%; N 9.78%; O 11.17%. Bp₁₂ 94.5°

>>> *N,N*-Diisopropyl: MLV90-A [759-22-8] $\text{C}_8\text{H}_{17}\text{NO}$ M 143.228. 143.131014. C 67.09%; H 11.96%; N 9.78%; O 11.17%. Bp 196°. n_{D}^{20} 1.4410.

Supplier: Aldrich:34909-7. Fluka:38260

>>> *N*-(13-Methyltetradecyl): **Capsiamide**. MZX66-B [64317-66-4] Classification: VX0250. $\text{C}_{17}\text{H}_{35}\text{NO}$ M 269.47. 269.271864. C 75.77%; H 13.09%; N 5.20%; O 5.94%. Constit. of *Capsicum annuum*