



Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Melting Point: Mp 51°

Boiling Point: Bp₁ 175-180°

>>Derivative: Amide

Synonym(s): *N*-(2-Amino-2-oxoethyl)acetamide, 9Cl. Aceturamide

CAS Registry Number: 2620-63-5

Molecular Formula: C₄H₈N₂O₂

Molecular Weight: 116.119

Accurate Mass: 116.058578

Percentage Composition: C 41.37%; H 6.94%; N 24.12%; O 27.56%

Physical Description: Plates (H₂O)

Melting Point: Mp 137°

Solubility: Sol. H₂O, EtOH, insol. Et₂O

Aldrich: 28021-6

>>Derivative: Nitrile

Synonym(s): *N*-(Cyanomethyl)acetamide, 9Cl. Acetaminoacetonitrile

CAS Registry Number: 4814-80-6

Molecular Formula: C₄H₆N₂O

Molecular Weight: 98.104

Accurate Mass: 98.048013

Percentage Composition: C 48.97%; H 6.16%; N 28.55%; O 16.31%

Melting Point: Mp 77°

Rare Chemicals Library: S43425-6

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1253C; 1271B; 1283C, (*nmr*)

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Johnson, T.B. *et al.*, *J.A.C.S.*, 1929, **51**, 1815, (*nitrile*)

Org. Synth., *Coll. Vol.*, 2, 1943, 11, (*synth*)

Davies, J.B. *et al.*, *J.C.S. Perkin 2*, 1973, 1651, (*conformn*)

Mackay, M.F., *Cryst. Struct. Commun.*, 1975, **4**, 225, (*cryst struct*)

Newmark, R.A. *et al.*, *J. Magn. Reson.*, 1976, **21**, 1, (*cmr*)

Knirel, Y.A. *et al.*, *Carbohydr. Res.*, 1988, **179**, 51, (*occur*)