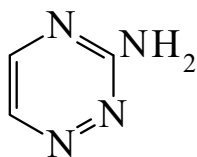




>> Name: 3-Amino-1,2,4-triazine

ENTRY UNDER REVIEW

Synonym(s): 1,2,4-Triazin-3-amine, 9CI



CAS Registry Number: 1120-99-6

Molecular Formula: C₃H₄N₄

Molecular Weight: 96.091

Accurate Mass: 96.043596

Percentage Composition: C 37.50%; H 4.20%; N 58.31%

Melting Point: Mp 177-179°

Hazard & Toxicity: LD₅₀ (rat, ipr) 2000 mg/kg

Aldrich: 10062-5

>>Derivative: *N*-Me

CAS Registry Number: 65915-07-3

Molecular Formula: C₄H₆N₄

Molecular Weight: 110.118

Accurate Mass: 110.059246

Percentage Composition: C 43.63%; H 5.49%; N 50.88%

Melting Point: Mp 90°

>>Derivative: *N,N*-Di-Me

CAS Registry Number: 53300-17-7

Molecular Formula: C₅H₈N₄

Molecular Weight: 124.145

Accurate Mass: 124.074896

Percentage Composition: C 48.37%; H 6.49%; N 45.13%

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 27-29°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 846D, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 725C, (*nmr*)

Daunis, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1969, 3675, (*synth, uv, pmr*)

Neunhoeffer, H. *et al.*, *Chem. Ber.*, 1976, **109**, 1113

Jacobsen, N.W. *et al.*, *Aust. J. Chem.*, 1987, **40**, 1979, (*synth, pmr, cmr, derivs*)