



>>Entry Name: 3,5-Pyrazolediamine, 9Cl

Synonym(s): 3,5-Diamino-1*H*-pyrazole

CAS Registry Number: 16082-33-0

Molecular Formula: C₃H₆N₄

Molecular Weight: 98.107

Accurate Mass: 98.059246

Percentage Composition: C 36.73%; H 6.16%; N 57.11%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 110°

>>Derivative: 1-*N*-Me

Synonym(s): 3,5-Diamino-1-methyl-1*H*-pyrazole

CAS Registry Number: 16675-35-7

Molecular Formula: C₄H₈N₄

Molecular Weight: 112.134

Accurate Mass: 112.074896

Percentage Composition: C 42.85%; H 7.19%; N 49.96%

Physical Description: Cryst. (MeCN/Et₂O)

Melting Point: Mp 54°

Other Data: Sublimes

>>Derivative: 1-*N*-Phenyl; hydrochloride

Molecular Formula: C₉H₁₁ClN₄

Molecular Weight: 210.665

Accurate Mass: 210.067223

Percentage Composition: C 51.31%; H 5.26%; Cl 16.83%; N 26.60%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 229-230°

References:

Settepani, J.A. *et al.*, *J.O.C.*, 1968, **33**, 2606, (*synth*)

Elnagdi, M.H. *et al.*, *J. Prakt. Chem.*, 1978, **320**, 533, (*synth*)