



>>Entry Name: **2,3-Phenazinediamine**, 9CI

Synonym(s): 2,3-Diaminophenazine

CAS Registry Number: 655-86-7

Molecular Formula: $C_{12}H_{10}N_4$

Molecular Weight: 210.238

Accurate Mass: 210.090546

Percentage Composition: C 68.56%; H 4.79%; N 26.65%

Physical Description: Brownish-yellow cryst. (PhNH₂/xylene)

Melting Point: Mp 264°

Other Data: Subl. EtOH or C₆H₆ solns. show green-yellow fluor.

Rare Chemicals Library: S16494-1

>>Derivative: 2,3-*N*-Di-Ac

CAS Registry Number: 4569-76-0

Molecular Formula: $C_{16}H_{14}N_4O_2$

Molecular Weight: 294.312

Accurate Mass: 294.111676

Percentage Composition: C 65.30%; H 4.79%; N 19.04%; O 10.87%

Physical Description: Pale-yellow cryst.

Melting Point: Mp 270° (not sharp)

Rare Chemicals Library: S4156-5

References:

Mayer, H.I.X. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1957, **76**, 28, (*synth*)

Gupta, R.C. *et al.*, *Indian J. Chem.*, 1971, **9**, 1303, (*synth*)

Nogami, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 3709, (*synth*)

Crank, G. *et al.*, *J. Het. Chem.*, 1989, **26**, 1163, (*synth*)

Brounstein, S.K. *et al.*, *Acta Cryst. C*, 1995, **51**, 1579, (*cryst struct, hydrochloride*)

Iseminger, P.W. *et al.*, *J.O.C.*, 1997, **62**, 2643-2645, (*synth, pmr*)