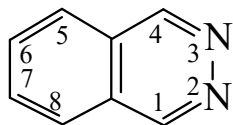




>>Entry Name: Phthalazine, 9Cl, 8Cl

Synonym(s): 2,3-Diazanaphthalene. 2,3-Naphthyridine. β -Phenodiazine. 2,3-Benzodiazine



CAS Registry Number: 253-52-1

Molecular Formula: $C_8H_6N_2$

Molecular Weight: 130.149

Accurate Mass: 130.053098

Percentage Composition: C 73.83%; H 4.65%; N 21.52%

Physical Description: Needles (Et_2O)

Melting Point: Mp 89-92°

Boiling Point: Bp₂₉ 189°. Bp₁₇ 175°

Solubility: Sol. H_2O , $EtOH$, C_6H_6 ; spar. sol. Et_2O ; insol. petrol

pKa Value: pK_a 3.47 (20°, H_2O)

Aldrich: P3870-6

>>Derivative: Hydroiodide

Melting Point: Mp 203°

>>Derivative: Methiodide

CAS Registry Number: 38710-51-9

Physical Description: Bright yellow cryst.

Melting Point: Mp 243-244 dec.°

>>Derivative: Ethiodide

Physical Description: Yellow cryst. ($EtOH$)

Melting Point: Mp 225-228 dec.° (204-210°)

>>Derivative: 2-Me, picrate

Physical Description: Orange cryst. ($EtOH$)

Melting Point: Mp 199-200 dec.°

>>Derivative: 2-Et, picrate

Physical Description: Yellow cryst. ($EtOH$)

Melting Point: Mp 167-169 dec.°

>>Derivative: 2-Oxide

CAS Registry Number: 18636-89-0

Molecular Formula: $C_8H_6N_2O$

Molecular Weight: 146.148

Accurate Mass: 146.048013

Percentage Composition: C 65.75%; H 4.14%; N 19.17%; O 10.95%

Melting Point: Mp 143°

Other Data: Forms a hydrate, Mp 94°

References:

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