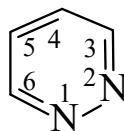




>>Entry Name: Pyridazine, 9CI

Synonym(s): 1,2-Diazine. Orthodiazine. 1,2-Diazabenzene. Oiazine (obsol.)



CAS Registry Number: 289-80-5

Molecular Formula: C₄H₄N₂

Molecular Weight: 80.089

Accurate Mass: 80.037448

Percentage Composition: C 59.99%; H 5.03%; N 34.98%

Physical Description: Liq.

Boiling Point: Bp₁₄ 87°

Solubility: V. sol. H₂O; sol. EtOH, Et₂O, C₆H₆; insol. petrol

Density: d₄²⁰ 1.105

pKa Value: pK_{a1} 2.24; pK_{a2} -7.1 (20°)

Refractive Index: n_D^{23.5} 1.5231

Aldrich: P5720-4

Fluka: 82680

>>Derivative: Hydrochloride

Physical Description: Yellow solid

Melting Point: Mp 161-163°

>>Derivative: Picrate

Physical Description: Yellow needles (H₂O or EtOH)

Melting Point: Mp 169 dec.°

>>Derivative: Methiodide

Physical Description: Yellow hygroscopic needles (2-propanol)

Melting Point: Mp 95-96 dec.°

>>Derivative: 1-Oxide

Synonym(s): Pyridazine *N*-oxide

CAS Registry Number: 1457-42-7

Molecular Formula: C₄H₄N₂O

Molecular Weight: 96.088

Accurate Mass: 96.032363

Percentage Composition: C 50.00%; H 4.20%; N 29.15%; O 16.65%

Melting Point: Mp 38-39°

Boiling Point: Bp₄ 138-140°

>>Derivative: 1,2-Dioxide

CAS Registry Number: 19194-87-7

Molecular Formula: C₄H₄N₂O₂

Molecular Weight: 112.088

Accurate Mass: 112.027278

Percentage Composition: C 42.86%; H 3.60%; N 24.99%; O 28.55%

Physical Description: Needles

Melting Point: Mp 222 dec.°

References: