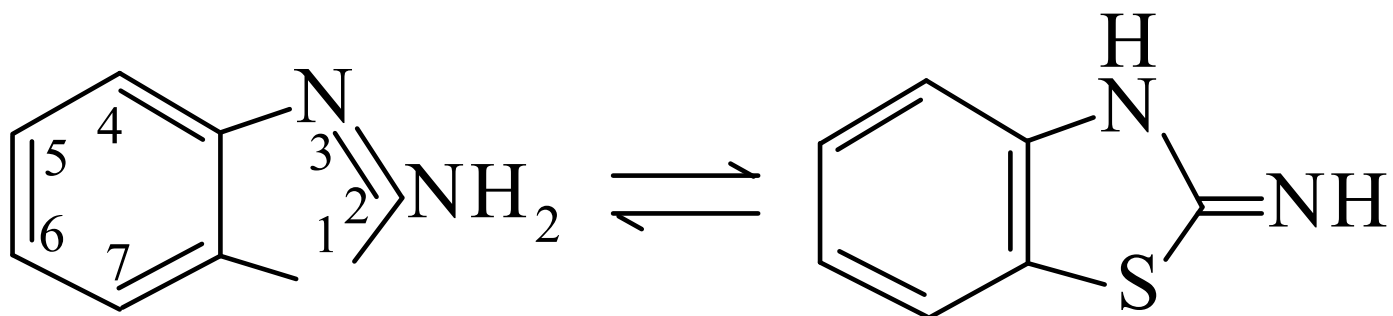




>>Entry Name: 2-Aminobenzothiazole

Synonym(s): 2-Benzothiazolamine, 9Cl. μ -Aminobenzothiazole



CAS Registry Number: 136-95-8

Molecular Formula: C₇H₆N₂S

Molecular Weight: 150.204

Accurate Mass: 150.025168

Percentage Composition: C 55.98%; H 4.03%; N 18.65%; S 21.35%

Use/Importance: Used as a soln. in EtOH aq. for gravimetric detn. of Hg and photometric detn. of Pd ($\lambda_{\max}$ 370 nm)

Physical Description: Leaflets (H₂O)

Melting Point: Mp 132°. Mp 123°

Solubility: Sol. Et₂O, EtOH, CHCl₃

Hazard & Toxicity: LD₅₀ (mus, ipr) 200 mg/kg

Aldrich: 10881-2

Fluka: 7090

Sigma: A3645

>>Derivative: 2-N-Ac

CAS Registry Number: 3028-06-6

Molecular Formula: C₉H₈N₂OS

Molecular Weight: 192.241

Accurate Mass: 192.035733

Percentage Composition: C 56.23%; H 4.19%; N 14.57%; O 8.32%; S 16.68%

Melting Point: Mp 186°

Rare Chemicals Library: S91523-8