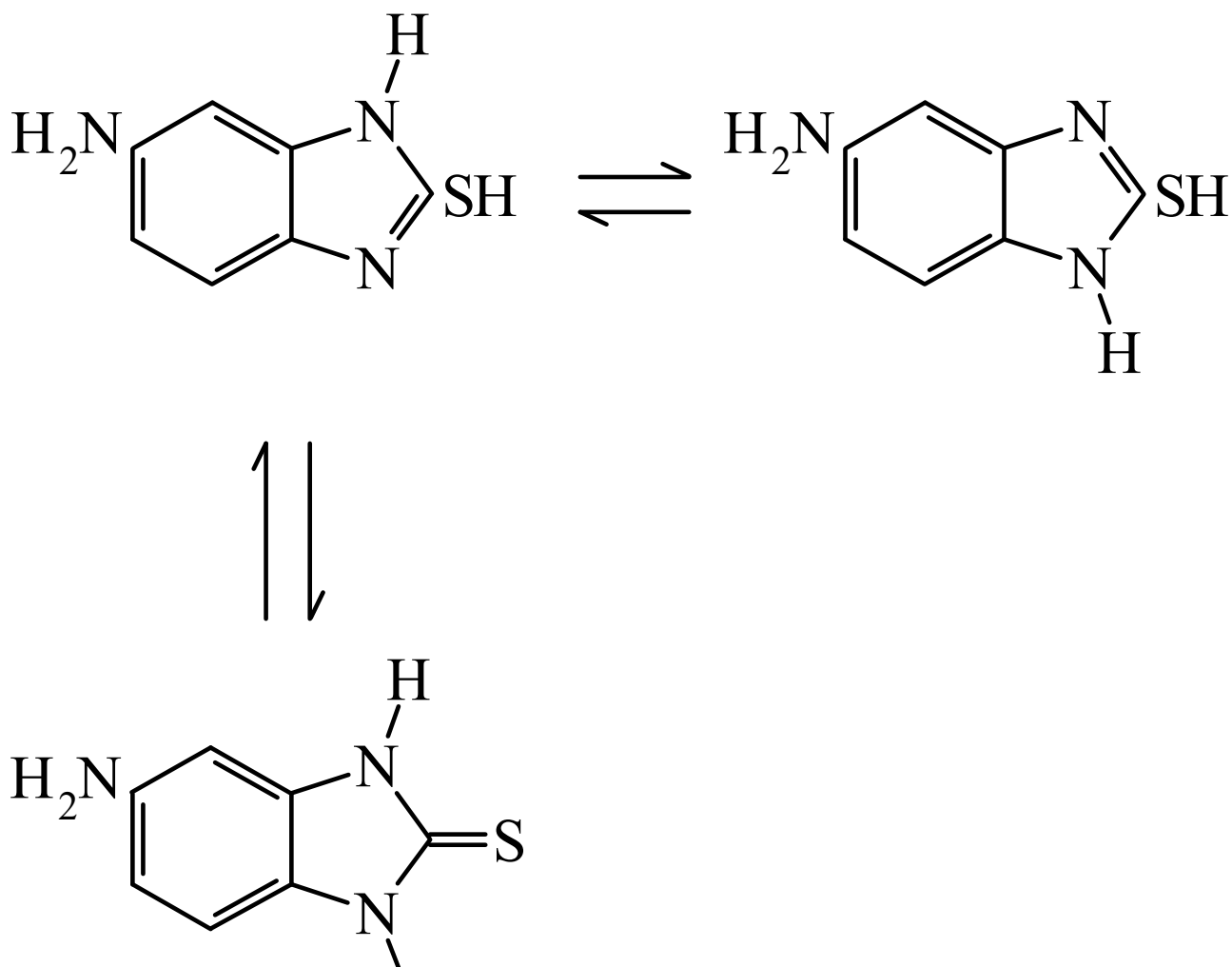




>>Entry Name: 5-Amino-2-benzimidazolethiol, 8Cl

Synonym(s): 5-Amino-1,3-dihydro-2*H*-benzimidazole-2-thione, 9Cl. 5-Amino-2-mercaptobenzimidazole



CAS Registry Number: 2818-66-8

Molecular Formula: C₇H₇N₃S

Molecular Weight: 165.218

Accurate Mass: 165.036067

Percentage Composition: C 50.89%; H 4.27%; N 25.43%; S 19.41%

Use/Importance: Used as 0.5% soln. in dil. AcOH in photometric detn. of Rh, Pd

Physical Description: Cryst.

Melting Point: Mp 280 dec.°

Solubility: Sol. alkalis, acids, EtOH; insol. H₂O