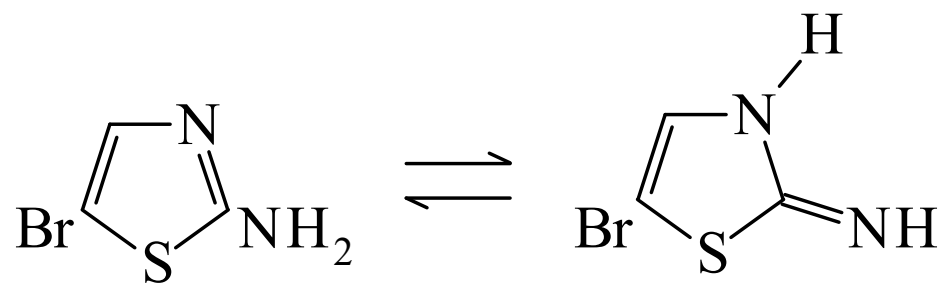




>>Entry Name: 2-Amino-5-bromothiazole, 8Cl

Synonym(s): 5-Bromo-2-thiazolamine, 9Cl



CAS Registry Number: 3034-22-8

Molecular Formula: C₃H₃BrN₂S

Molecular Weight: 179.04

Accurate Mass: 177.940029

Percentage Composition: C 20.13%; H 1.69%; Br 44.63%; N 15.65%; S 17.91%

Physical Description: Cryst. (hexane)

Melting Point: Mp 108 dec.°

Solubility: Sol. H₂O

pKa Value: pK_a 3.61 (H₂O)

Other Data: Unstable to air and light

Aldrich: 12802-3

>>Derivative: Hydrobromide

CAS Registry Number: 61296-22-8

Melting Point: Mp 163-164°

References:

English, J.P. *et al.*, *J.A.C.S.*, 1946, **68**, 453, (*synth*)

Forlani, L. *et al.*, *J.C.S. Perkin 2*, 1980, 1156, (*tautom*)

Tseng, C.K., *Magn. Reson. Chem.*, 1987, **25**, 105, (*cmr, tautom*)