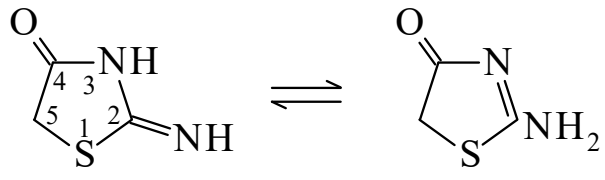
>>**Entry Name: 2-Amino-4(5*H*)-thiazolone,** 9CI

Synonym(s): 2-Imino-4-thiazolidinone, 9CI, 8CI. 2-Amino-2-thiazolin-4-one, 8CI. 2-Aminopseudothiohydantoin. 2-Imino-4-oxo-1,3-thiazolidine. 2-Amino-4-hydroxythiazole. 2-Amino-4-thiazolol



CAS Registry Number: 556-90-1
Related CAS Registry Numbers(s): 38708-23-5

Molecular Formula: $C_3H_4N_2OS$
Molecular Weight: 116.143
Accurate Mass: 116.004433
Percentage Composition: C 31.02%; H 3.47%; N 24.12%; O 13.78%; S 27.61%
General Statement: Exists as the amino form in the solid state, and in solution, contrary to previous erroneously interpreted x-ray results. *OH*-forms do not appear to be present
Use/Importance: Salts used as fireproofing agents for cotton and synthetic fabrics
Melting Point: Mp 255° (235-246° dec.)
Hazard & Toxicity: LD_{50} (mus, ipr) 100 mg/kg

Aldrich: P5560-0

References:

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