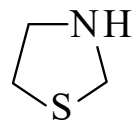




>>Entry Name: Thiazolidine, 9CI

Synonym(s): Tetrahydrothiazole, 1-Thia-3-azacyclopentane



CAS Registry Number: 504-78-9

Molecular Formula: C₃H₇NS

Molecular Weight: 89.161

Accurate Mass: 89.029919

Percentage Composition: C 40.41%; H 7.91%; N 15.71%; S 35.96%

Physical Description: Liq.

Boiling Point: Bp 164-165°. Bp₂₅ 72-75°

Solubility: Misc. H₂O

pKa Value: pK_a 6.22 pK_a 6.31

Other Data: Steam-volatile

Hazard & Toxicity: LD₅₀ (mus, ipr) 800 mg/kg

Aldrich: 14969-1

Sigma: T4893

>>Derivative: Hydrochloride

CAS Registry Number: 14446-47-0

Physical Description: Cryst. (EtOH)

Melting Point: Mp 180 dec.°

>>Derivative: Ac

CAS Registry Number: 19642-85-4

Molecular Formula: C₅H₉NOS

Molecular Weight: 131.198

Accurate Mass: 131.040484

Percentage Composition: C 45.77%; H 6.91%; N 10.68%; O 12.19%; S 24.44%

Boiling Point: Bp_{0.7} 83-85°

>>Derivative: S,S-Dioxide

CAS Registry Number: 80143-07-3

Molecular Formula: C₃H₇NO₂S

Molecular Weight: 121.16

Accurate Mass: 121.019749

Percentage Composition: C 29.74%; H 5.82%; N 11.56%; O 26.41%; S 26.47%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 122°

>>Derivative: N-Me

CAS Registry Number: 52288-89-8

Molecular Formula: C₄H₉NS

Molecular Weight: 103.188

Accurate Mass: 103.045569

Percentage Composition: C 46.56%; H 8.79%; N 13.57%; S 31.08%

Boiling Point: Bp₁₀ 63-65°. Bp₄ 39-41°

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