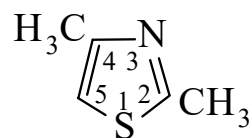




>>Entry Name: 2,4-Dimethylthiazole, 9CI



CAS Registry Number: 541-58-2

Molecular Formula: C₅H₇NS

Molecular Weight: 113.183

Accurate Mass: 113.029919

Percentage Composition: C 53.06%; H 6.23%; N 12.38%; S 28.33%

Use/Importance: Reagent for aldehyde synth.

Boiling Point: Bp₅₀ 70-73°

Solubility: Sol. cold H₂O, less sol. hot H₂O, sol. EtOH, Et₂O

Density: d₄¹⁵ 1.506

pKa Value: pK_a 3.92 (25°)

Hazard & Toxicity: LD₅₀ (mus, ipr) 250 mg/kg

Aldrich: W50340-1

Rare Chemicals Library: S44523-1

Sigma: D5759

>>Derivative: Hydrochloride

Melting Point: Mp 189°

>>Derivative: Picrate

Physical Description: Yellow plates

Melting Point: Mp 140-141°

>>Derivative: Methiodide

Melting Point: Mp 260 dec.°

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