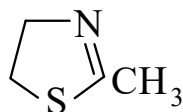




>>Entry Name: 4,5-Dihydro-2-methylthiazole, 9CI

ENTRY UNDER REVIEW

Synonym(s): 2-Methyl-2-thiazoline, 8CI



CAS Registry Number: 2346-00-1

Molecular Formula: C₄H₇NS

Molecular Weight: 101.172

Accurate Mass: 101.029919

Percentage Composition: C 47.49%; H 6.97%; N 13.84%; S 31.69%

Biological Source: Sex pheromone of cockroach *Nauphoeta cinerea*. Also from various cooked foods

Use/Importance: Reagent used in synth. of aldehydes

Physical Description: Pale-yellow liq.

Melting Point: Mp -101°

Boiling Point: Bp 144.5-145°

Aldrich: M8340-6

Fluka: 69320

>>Derivative: Picrate

CAS Registry Number: 5243-50-5

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 171-172°

>>Derivative: *N*-Me

Synonym(s): 4,5-Dihydro-2,3-dimethylthiazolium(1+)

Molecular Formula: C₅H₁₀NS⁽⁺⁾

Molecular Weight: 116.207

Accurate Mass: 116.053394

Percentage Composition: C 51.68%; H 8.67%; N 12.05%; S 27.59%

Physical Description: Needles (EtOH) (as iodide)

Melting Point: Mp 235-237° (iodide)

>>Derivative: *N*-Et

Synonym(s): 4,5-Dihydro-3-ethyl-2-methylthiazolium(1+)

CAS Registry Number: 54654-71-6

Molecular Formula: C₆H₁₂NS⁽⁺⁾

Molecular Weight: 130.234

Accurate Mass: 130.069044

Percentage Composition: C 55.34%; H 9.29%; N 10.76%; S 24.62%

Physical Description: Needles (MeOH/Me₂CO) (as iodide)

Melting Point: Mp 191-193° (iodide)

Other Data: CAS no. refers to iodide

Aldrich: 32249-0

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