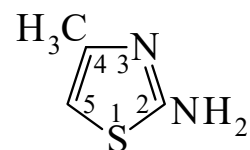




>>Entry Name: 2-Amino-4-methylthiazole

Synonym(s): 4-Methyl-2-thiazolamine, 9Cl. Nomortiroide



CAS Registry Number: 1603-91-4

Related CAS Registry Numbers(s): 6142-15-0 68939-85-5

Molecular Formula: C₄H₆N₂S

Molecular Weight: 114.171

Accurate Mass: 114.025168

Percentage Composition: C 42.08%; H 5.30%; N 24.54%; S 28.09%

Biological Use/Importance: Antithyroid agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 44-47°

Boiling Point: Bp 231-232°. Bp₂₀ 124-126°

Solubility: Sol. EtOH, H₂O

Aldrich: A6600-6

Sigma: A1015

>>Derivative: Picrate

CAS Registry Number: 130382-65-9

Melting Point: Mp 228 dec.°

>>Derivative: *N*-Ac

Synonym(s): 2-Acetamido-4-methylthiazole

CAS Registry Number: 7336-51-8

Molecular Formula: C₆H₈N₂OS

Molecular Weight: 156.208

Accurate Mass: 156.035733

Percentage Composition: C 46.13%; H 5.16%; N 17.93%; O 10.24%; S 20.53%

Melting Point: Mp 134-136°

Aldrich: 30192-2

>>Derivative: *N*-Me

Synonym(s): 2-Methyl-2-(methyamino)thiazole

CAS Registry Number: 2161-68-4

Molecular Formula: C₅H₈N₂S

Molecular Weight: 128.198

Accurate Mass: 128.040818

Percentage Composition: C 46.85%; H 6.29%; N 21.85%; S 25.01%

Physical Description: Cryst. (petrol)

Melting Point: Mp 72-73°

>>Derivative: *N,N*-Di-Me

Synonym(s): 2-(Dimethylamino)-4-methylthiazole

CAS Registry Number: 6142-18-3

Molecular Formula: C₆H₁₀N₂S

Molecular Weight: 142.224

Accurate Mass: 142.056468

Percentage Composition: C 50.67%; H 7.09%; N 19.70%; S 22.55%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 31-33°

Boiling Point: Bp_{0.01} 51°