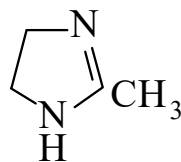




>>Entry Name: 4,5-Dihydro-2-methyl-1*H*-imidazole, 9Cl

Synonym(s): 2-Methyl-2-imidazoline, 8Cl. Lysidine



CAS Registry Number: 534-26-9

Molecular Formula: C₄H₈N₂

Molecular Weight: 84.121

Accurate Mass: 84.068748

Percentage Composition: C 57.11%; H 9.59%; N 33.30%

Physical Description: Cryst. (EtOAc or heptane)

Melting Point: Mp 105°

Solubility: Sol. H₂O, EtOH, CHCl₃; prac. insol. Et₂O; sl. sol. C₆H₆, CCl₄

pKa Value: pK_a 11.09 (20°, H₂O)

Aldrich: 37540-3

Rare Chemicals Library: S54981-9

>>Derivative: Acetate salt

Physical Description: Cryst. (Me₂CO/CHCl₃)

Melting Point: Mp 94.5-95.5°

>>Derivative: 1-(4-Nitrobenzenesulfonyl)

Molecular Formula: C₁₀H₁₁N₃O₄S

Molecular Weight: 269.281

Percentage Composition: C 44.60%; H 4.12%; N 15.60%; O 23.77%; S 11.91%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 125-126°

>>Derivative: 1-Me

CAS Registry Number: 4814-91-9

Molecular Formula: C₅H₁₀N₂

Molecular Weight: 98.147

Accurate Mass: 98.084398

Percentage Composition: C 61.19%; H 10.27%; N 28.54%

Boiling Point: Bp₁₆ 45-50°

>>Derivative: 1-Et

CAS Registry Number: 4814-93-1

Molecular Formula: C₆H₁₂N₂

Molecular Weight: 112.174

Accurate Mass: 112.100048

Percentage Composition: C 64.24%; H 10.78%; N 24.97%

Boiling Point: Bp₁₂ 66-68°

>>Derivative: 1-Benzyl

CAS Registry Number: 6096-36-2

Molecular Formula: C₁₁H₁₄N₂

Molecular Weight: 174.245

Accurate Mass: 174.115698

Percentage Composition: C 75.82%; H 8.10%; N 16.08%

Physical Description: Oil

Boiling Point: Bp_{0.4} 99-102°