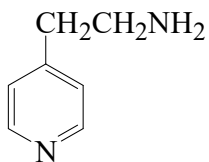




>>Entry Name: 4-Pyridineethanamine

Synonym(s): 4-(2-Aminoethyl)pyridine



CAS Registry Number: 13258-63-4

Molecular Formula: C₇H₁₀N₂

Molecular Weight: 122.169

Accurate Mass: 122.084398

Percentage Composition: C 68.82%; H 8.25%; N 22.93%

Physical Description: Liq.

Boiling Point: Bp₁₇ 117-120°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 17039-03-1

Physical Description: Cryst. (AcOH)

Melting Point: Mp 226-229° (rapid heating)

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp 153-155°

>>Derivative: Dipicrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 186-187°

>>Derivative: N²-Benzoyl

Molecular Formula: C₁₄H₁₄N₂O

Molecular Weight: 226.277

Accurate Mass: 226.110613

Percentage Composition: C 74.31%; H 6.24%; N 12.38%; O 7.07%

Physical Description: Prisms (C₆H₆)

Melting Point: Mp 115-116°

>>Derivative: N²-(4-Methylbenzenesulfonyl)

Molecular Formula: C₁₄H₁₆N₂O₂S

Molecular Weight: 276.359

Accurate Mass: 276.093248

Percentage Composition: C 60.85%; H 5.84%; N 10.14%; O 11.58%; S 11.60%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 137-138°

References:

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Mayer, J.M. *et al.*, *Helv. Chim. Acta*, 1982, **65**, 1868-1884, (*synth*)