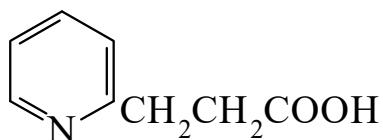




>>Entry Name: 2-Pyridinepropanoic acid, 9CI

Synonym(s): 3-(2-Pyridyl)propionic acid



CAS Registry Number: 15197-75-8

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 141°

>>Derivative: Me ester

CAS Registry Number: 28819-26-3

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Physical Description: Liq.

Boiling Point: Bp₂ 102-103°. Bp_{0.05} 80-85°

>>Derivative: Et ester

CAS Registry Number: 2739-74-4

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Physical Description: Liq.

Boiling Point: Bp₁₄ 128°. Bp₁ 95°

>>Derivative: Et ester, picrate

Physical Description: Yellow prisms

Melting Point: Mp 84°

>>Derivative: Amide

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Solid

Melting Point: Mp 124-128°

pKa Value: pK_{a1} 5.09 (25°,H₂O)

>>Derivative: Nitrile

Synonym(s): 2-(2-Cyanoethyl)pyridine

CAS Registry Number: 35549-47-4

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

Percentage Composition: C 72.70%; H 6.10%; N 21.20%

Physical Description: Liq.

Boiling Point: Bp₂ 97-99°

References: