



>>Entry Name: 3-Pyridinepropanoic acid, 9CI

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

CAS Registry Number: 3724-19-4

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: Cubes (EtOH)

Melting Point: Mp 161-162° (149-151°)

Aldrich: 34986-0

>>Derivative: Picrate

Physical Description: Orange needles (EtOH)

Melting Point: Mp 112-113°

>>Derivative: Me ester

CAS Registry Number: 84199-98-4

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: Bp₁₂ 134.2-134.4°

>>Derivative: Et ester

CAS Registry Number: 64107-54-6

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: Bp₃ 138-140°. Bp_{0.01} 72-73°

>>Derivative: Et ester, picrate

Physical Description: Long yellow needles (EtOH)

Melting Point: Mp 103-104°

>>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: Prisms (Me₂CO) or rods (dioxan)

Melting Point: Mp 118-119°. Mp 136.5-137°

pKa Value: pK_{a1} 5.21 (25°,H₂O)

>>Derivative: Nitrile

Synonym(s): 3-(2-Cyanoethyl)pyridine

CAS Registry Number: 41038-67-9

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: Bp_{0.9} 150-152°

References: