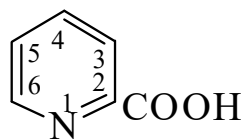




>>Entry Name: 2-Pyridinecarboxylic acid, 9CI

Synonym(s): Picolinic acid, 8CI



CAS Registry Number: 98-98-6

Molecular Formula: C₆H₅NO₂

Molecular Weight: 123.111

Accurate Mass: 123.032029

Percentage Composition: C 58.54%; H 4.09%; N 11.38%; O 25.99%

Biological Source: Isol. from culture medium of *Piricularia oryzae*

Use/Importance: Catalyst for CrO₃ oxidns. Used as 8% aq. soln. for extraction separation of V(III)

Physical Description: Needles (H₂O, EtOH or C₆H₆)

Boiling Point: Subl. 136-137°

Solubility: Sol. H₂O; BERDY SOL: Sol. MeOH, EtOAc; fairly sol. H₂O, C₆H₆, Et₂O; poorly sol. hexane

pKa Value: pK_{a1} 0.99; pK_{a2} 5.39 (25°)

UV: [neutral] λ_{max} 265 () (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, ipr) 360 mg/kg

Aldrich: P4280-0

Fluka: 80290

Sigma: P8567

>>Derivative: Me ester

CAS Registry Number: 2459-07-6

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Physical Description: Hygroscopic cryst. or liq.

Melting Point: Fp 14°

Boiling Point: Bp 232°

>>Derivative: Et ester

CAS Registry Number: 2524-52-9

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: Liq.

Boiling Point: Bp 243°. Bp₁₃ 122°

Aldrich: E4541-4

Fluka: 80300

Sigma: P1896

>>Derivative: Ph ester

CAS Registry Number: 26838-86-8

Molecular Formula: C₁₂H₉NO₂

Molecular Weight: 199.209

Accurate Mass: 199.063329

Percentage Composition: C 72.35%; H 4.55%; N 7.03%; O 16.06%

Physical Description: Needles (EtOH or petrol)

Melting Point: Mp 82°