



Melting Point: Mp 46°
Boiling Point: Bp₁₀ 160° sl. dec.

>>Derivative: Amide

Synonym(s): 2-Pyridinecarboxamide. Picolinamide

CAS Registry Number: 1452-77-3
Molecular Formula: C₆H₆N₂O
Molecular Weight: 122.126
Accurate Mass: 122.048013
Percentage Composition: C 59.01%; H 4.95%; N 22.94%; O 13.10%
Physical Description: Needles (C₆H₆)
Melting Point: Mp 110 dec.° (107-109°)
Aldrich: 10405-1
Rare Chemicals Library: S37213-7

>>Derivative: Hydrazide

CAS Registry Number: 1452-63-7

Molecular Formula: C₆H₇N₃O
Molecular Weight: 137.141
Accurate Mass: 137.058912
Percentage Composition: C 52.55%; H 5.14%; N 30.64%; O 11.67%
Use/Importance: Used as a 0.01M aq. soln. for photometric detn. of V(*I*) (λ_{max} 420 nm)
Physical Description: Cryst.
Melting Point: Mp 161-162°
Rare Chemicals Library: S26615-9

>>Derivative: Nitrile

Synonym(s): 2-Cyanopyridine. 2-Pyridinecarbonitrile, 9CI. Picolinonitrile

CAS Registry Number: 100-70-9
Molecular Formula: C₆H₄N₂
Molecular Weight: 104.111
Accurate Mass: 104.037448
Percentage Composition: C 69.22%; H 3.87%; N 26.91%
Physical Description: Needles (Et₂O)
Melting Point: Mp 27°
Boiling Point: Bp 222-227°
Solubility: Sol. H₂O
pKa Value: pK_a -0.26
Aldrich: C9460-2
Fluka: 28570
Sigma: C0404

>>Derivative: *N*-Oxide

CAS Registry Number: 824-40-8
Molecular Formula: C₆H₅NO₃
Molecular Weight: 139.11
Accurate Mass: 139.026944
Percentage Composition: C 51.80%; H 3.62%; N 10.07%; O 34.50%
Physical Description: Cryst. (EtOH or H₂O)
Melting Point: Mp 163-164°
Aldrich: P4300-9
Sigma: P3771

>>Derivative: *N*-Me, betaine

References: