



>>Entry Name: 4-Piperidinecarboxylic acid, 9CI

Synonym(s): Isonipecotic acid

CAS Registry Number: 498-94-2

Molecular Formula: C₆H₁₁NO₂

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Needles (H₂O)

Melting Point: Mp 336° (326-330°)

Other Data: Darkens at 300°

Aldrich: I-1800-8

Fluka: 80650

>>Derivative: Hydrochloride

Melting Point: Mp 293 dec.° (300°)

>>Derivative: Picrate

Melting Point: Mp 177-178°

>>Derivative: Me ester

CAS Registry Number: 2971-79-1

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Boiling Point: Bp₉ 88-89°

Aldrich: 46348-5

>>Derivative: Me ester; hydrochloride

CAS Registry Number: 7462-86-4

Melting Point: Mp 166-167° (160-161°)

>>Derivative: Me ester, picrate

Melting Point: Mp 118-119° (111.5-113.5°)

>>Derivative: Et ester

CAS Registry Number: 1126-09-6

Molecular Formula: C₈H₁₅NO₂

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

Melting Point: Mp 204°

Refractive Index: n_D²⁰ 1.4590

Aldrich: E3350-5

Fluka: 80660

>>Derivative: Amide

Synonym(s): 4-Piperidinecarboxamide, 9CI. 4-Isonipecotamide

CAS Registry Number: 39546-32-2

Molecular Formula: C₆H₁₂N₂O

Molecular Weight: 128.174

Accurate Mass: 128.094963

Percentage Composition: C 56.23%; H 9.44%; N 21.86%; O 12.48%

Physical Description: Fine needles (CHCl₃/C₆H₆)

Melting Point: Mp 152-153°

Solubility: Sol. EtOH, H₂O, hot CHCl₃; sl. sol. hot C₆H₆, EtOAc; insol. Et₂O