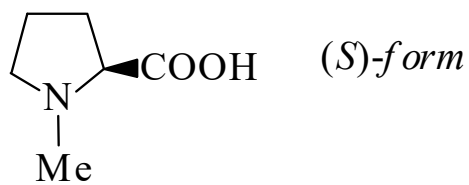




>>Entry Name: 1-Methyl-2-pyrrolidinecarboxylic acid

Synonym(s): 1-Methylproline, 9Cl. Hygric acid. Hygrinic acid



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%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 475-11-6

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 (EtOH/Et₂O)

Melting Point: Mp 116-117°

Optical Rotation: [α]_D¹⁸ -80.1 (H₂O)

Sigma: M8021

>>Variant: (±)-form

CAS Registry Number: 30727-23-2

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 (CHCl₃)

Melting Point: Mp 169-170°

>>Derivative: Hydrochloride

Physical Description: Leaflets (EtOH/Et₂O)

Melting Point: Mp 187-188°

>>Derivative: Methiodide

Physical Description: Prisms (EtOH/Et₂O)

Melting Point: Mp 88-89°

>>Derivative: Me ester

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: Bp₁₂ 69-72°

>>Derivative: Et ester

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%

Boiling Point: Bp₁₂ 75-76°

>>Derivative: Amide