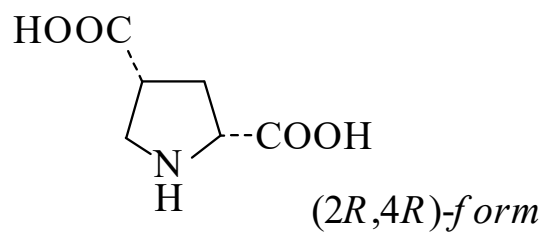




>>Entry Name: 2,4-Pyrrolidinedicarboxylic acid

Synonym(s): 4-Carboxypyrrolidine



Molecular Formula: C₆H₉NO₄

Molecular Weight: 159.141

Accurate Mass: 159.053159

Percentage Composition: C 45.28%; H 5.70%; N 8.80%; O 40.21%

>>Variant: (2R,4R)-form

Synonym(s): D-*cis*-form

CAS Registry Number: 130830-78-3

Molecular Formula: C₆H₉NO₄

Molecular Weight: 159.141

Accurate Mass: 159.053159

Percentage Composition: C 45.28%; H 5.70%; N 8.80%; O 40.21%

Physical Description: Prisms

Melting Point: Mp 224-225°

Optical Rotation: $[\alpha]_{\text{D}}^{21} +41.5$ (c, 1.01 in H₂O) (+37)

>>Derivative: N-Benzoyl

CAS Registry Number: 188345-79-1

Molecular Formula: C₁₃H₁₃NO₅

Molecular Weight: 263.249

Accurate Mass: 263.079374

Percentage Composition: C 59.31%; H 4.98%; N 5.32%; O 30.39%

Melting Point: Mp 164-165°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +82$ (c, 1.04 in EtOH)

>>Variant: (2R,4S)-form

Synonym(s): D-*trans*-form

CAS Registry Number: 130830-77-2

Molecular Formula: C₆H₉NO₄

Molecular Weight: 159.141

Accurate Mass: 159.053159

Percentage Composition: C 45.28%; H 5.70%; N 8.80%; O 40.21%

Physical Description: Prisms

Melting Point: Mp 219-220°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +51$ (c, 1.04 in H₂O)

>>Variant: (2S,4R)-form

Synonym(s): L-*trans*-form

CAS Registry Number: 64769-66-0

Molecular Formula: C₆H₉NO₄

Molecular Weight: 159.141

Accurate Mass: 159.053159

Percentage Composition: C 45.28%; H 5.70%; N 8.80%; O 40.21%

(Leguminosae)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 223-225°

Optical Rotation: $[\alpha]_{\text{D}} -54$ (c, 1.04 in H₂O)

Sigma: P7575