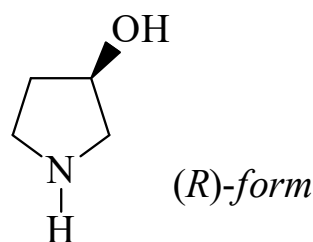




>>Entry Name: 3-Pyrrolidinol
Synonym(s): 3-Hydroxypyrrolidine



CAS Registry Number: 40499-83-0

Related CAS Registry Numbers(s): 13220-33-2 13220-34-3 13220-35-4 99520-85-1 99520-89-5 100243-41-2 104706-47-0

Molecular Formula: C₄H₉NO

Molecular Weight: 87.121

Accurate Mass: 87.068414

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Aldrich: P7435-4

Fluka: 83250

>>Variant: (R)-form

CAS Registry Number: 2799-21-5

Molecular Formula: C₄H₉NO

Molecular Weight: 87.121

Accurate Mass: 87.068414

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Physical Description: Liq.

Boiling Point: Bp_{0.6} 70°

Optical Rotation: [α]_D²⁰ +5.6 (c, 3.63 in MeOH)

Aldrich: 38298-1

Fluka: 56435

>>Derivative: N-Benzyl

CAS Registry Number: 101930-07-8

Molecular Formula: C₁₁H₁₅NO

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Boiling Point: Bp_{0.9} 116°

Optical Rotation: [α]_D²³ +3.7 (c, 5 in MeOH)

Aldrich: 36693-5

>>Variant: (S)-form

CAS Registry Number: 100243-39-8

Molecular Formula: C₄H₉NO

Molecular Weight: 87.121

Accurate Mass: 87.068414

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Boiling Point: Bp_{1.5} 100°

Optical Rotation: [α]_D²⁰ -5.2 (c, 1 in MeOH)

Aldrich: 38300-7

>>Derivative: N-tert-Butyloxycarbonyl

Physical Description: Cryst.

Melting Point: Mp 60-62°

Optical Rotation: [α]_D²⁷ +22.75 (c, 1.02 in CHCl₃)

Other Data: Opt. pure

>>Derivative: N-Benzyloxycarbonyl

Optical Rotation: [α]_D²⁸ +23.85 (c, 0.65 in MeOH)

Other Data: Opt. pure