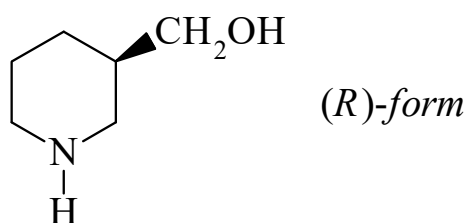




>>Entry Name: 3-Piperidinemethanol, 9CI

Synonym(s): β -Piperidylcarbinol. 3-Hydroxymethylpiperidine



CAS Registry Number: 4606-65-9

Molecular Formula: $C_6H_{13}NO$

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Aldrich: 15523-3

>>Variant: (*R*)-form

CAS Registry Number: 37675-20-0

Molecular Formula: $C_6H_{13}NO$

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Boiling Point: Bp₁ 84°

Optical Rotation: $[\alpha]_D +5.8$ (c, 18 in Py)

>>Derivative: 4-Methylbenzenesulfonyl

Physical Description: Cryst. (C_6H_6 /hexane)

Melting Point: Mp 98-99°

Optical Rotation: $[\alpha]_D +29$ (c, 10 in $CHCl_3$)

>>Derivative: *O,N*-Bis-4-methylbenzenesulfonyl

Physical Description: Cryst. (MeOH)

Melting Point: Mp 87-89°

Optical Rotation: $[\alpha]_D +54$ (c, 1.4 in $CHCl_3$)

>>Variant: ($\pm$)-form

CAS Registry Number: 136982-27-9

Molecular Formula: $C_6H_{13}NO$

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Physical Description: Viscous oil

Boiling Point: Bp₃ 103-104°

>>Derivative: *N*-Me

CAS Registry Number: 7583-53-1

Molecular Formula: $C_7H_{15}NO$

Molecular Weight: 129.202

Accurate Mass: 129.115364

Percentage Composition: C 65.07%; H 11.70%; N 10.84%; O 12.38%

Boiling Point: Bp₂₀ 114°

Aldrich: 14614-5

Sigma: H2763

>>Derivative: *N*-Me; hydrochloride

Physical Description: Cryst. (EtOAc/EtOH)

Melting Point: Mp 134-136°

References: