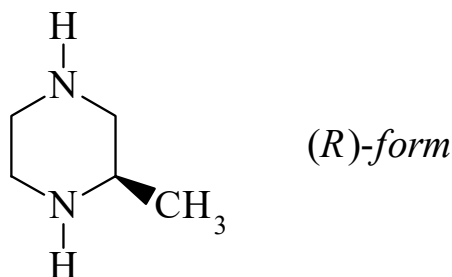




>>Entry Name: 2-Methylpiperazine, 9CI



CAS Registry Number: 109-07-9

Related CAS Registry Numbers(s): 74879-18-8 75336-85-5 75336-89-9

Molecular Formula: C₅H₁₂N₂

Molecular Weight: 100.163

Accurate Mass: 100.100048

Percentage Composition: C 59.96%; H 12.08%; N 27.97%

Aldrich: M7240-4

Fluka: 68815

>>Variant: (R)-form

CAS Registry Number: 75336-86-6

Molecular Formula: C₅H₁₂N₂

Molecular Weight: 100.163

Accurate Mass: 100.100048

Percentage Composition: C 59.96%; H 12.08%; N 27.97%

Physical Description: Solid

Melting Point: Mp 81-84°

Optical Rotation: [α]_D²³+4.9 (c, 1.0 in 2M HCl)

Aldrich: 39716-4

>>Derivative: Hydrochloride

CAS Registry Number: 75336-89-9

Physical Description: Solid

Melting Point: Mp 300°

Optical Rotation: [α]_D²⁶+2.63 (H₂O)

>>Variant: (±)-form

CAS Registry Number: 75364-79-3

Molecular Formula: C₅H₁₂N₂

Molecular Weight: 100.163

Accurate Mass: 100.100048

Percentage Composition: C 59.96%; H 12.08%; N 27.97%

Physical Description: Leaflets

Melting Point: Mp 62°

Boiling Point: Bp 155-155.5°

Solubility: Sol. H₂O, EtOH, CHCl₃, C₆H₆

>>Derivative: Hydrochloride (1:2)

Physical Description: Needles (EtOH)

Melting Point: Mp 248-249°

Solubility: V. sol. H₂O

>>Derivative: Picrate

Physical Description: Yellow plates

Other Data: Dec. at 276-8°

>>Derivative: 1,4-Bis(4-methylbenzenesulfonyl)