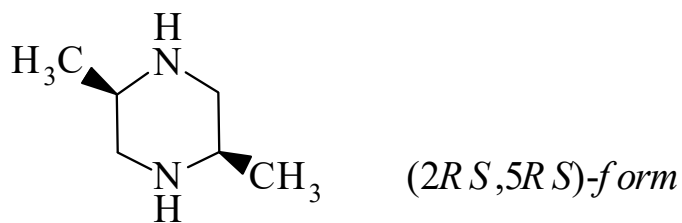




>>Entry Name: 2,5-Dimethylpiperazine



CAS Registry Number: 106-55-8

Molecular Formula: C₆H₁₄N₂

Molecular Weight: 114.19

Accurate Mass: 114.115698

Percentage Composition: C 63.11%; H 12.36%; N 24.53%

Hazard & Toxicity: Severe eye irritant. LD₅₀ (rat,orl) 3160 mg/kg, LD₅₀ (rbt,skn) 800 mg/kg

>>Variant: (2R,5R)-form

Synonym(s): (±)-*cis*-form

Molecular Formula: C₆H₁₄N₂

Molecular Weight: 114.19

Accurate Mass: 114.115698

Percentage Composition: C 63.11%; H 12.36%; N 24.53%

Melting Point: Mp 114°

Boiling Point: Bp 162°

>>Derivative: Tartrate

Physical Description: Cryst. (H₂O)

Melting Point: Mp 222-223 dec.°

>>Derivative: Dibenzoyl

Melting Point: Mp 152°

>>Variant: (2R,5SR)-form

Synonym(s): *trans*-form

CAS Registry Number: 2815-34-1

Molecular Formula: C₆H₁₄N₂

Molecular Weight: 114.19

Accurate Mass: 114.115698

Percentage Composition: C 63.11%; H 12.36%; N 24.53%

Physical Description: Prisms

Melting Point: Mp 118 subl.°

Boiling Point: Bp 162°

pKa Value: pK_{a2} 5.2 (25°)

Hazard & Toxicity: Mod. toxic

Aldrich: D17960-4

>>Derivative: Tartrate

Synonym(s): Lycetol

Melting Point: Mp 242-243°

>>Derivative: Dibenzoyl

Molecular Formula: C₂₀H₂₂N₂O₂

Molecular Weight: 322.406

Accurate Mass: 322.168128

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Melting Point: Mp 228-229°

References: