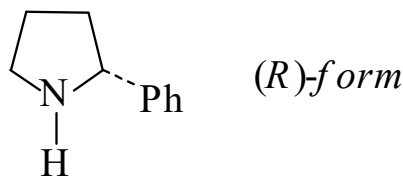




>>Entry Name: 2-Phenylpyrrolidine, 9CI



CAS Registry Number: 1006-64-0

Related CAS Registry Numbers(s): 938-36-3

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

>>Variant: (*R*)-form

CAS Registry Number: 56523-47-8

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Optical Rotation: [α]_D¹⁷+71.2 (neat)

Density: d¹⁷ 1.004

Other Data: *n*²² 1.5482

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 108-109°

Optical Rotation: [α]_D −15.3 (c, 0.86 in MeOH)

>>Derivative: *N*-Nitroso

Molecular Formula: C₁₀H₁₂N₂O

Molecular Weight: 176.218

Accurate Mass: 176.094963

Percentage Composition: C 68.16%; H 6.86%; N 15.90%; O 9.08%

Boiling Point: Bp_{0.4} 120°

Optical Rotation: [α]_D²²+197 (c, 1.7 in EtOH)

Refractive Index: *n*_D²² 1.5697

Hazard & Toxicity: Exp. carcinogen by analogy

>>Derivative: *N*-Me

Synonym(s): Tetrahydro-1-methyl-2-phenylpyrrole. 1-Methyl-2-phenylpyrrolidine, 9CI

CAS Registry Number: 58166-84-0

Molecular Formula: C₁₁H₁₅N

Molecular Weight: 161.246

Accurate Mass: 161.120449

Percentage Composition: C 81.94%; H 9.38%; N 8.69%

Boiling Point: Bp₁₂ 83-85°

Optical Rotation: [α]_D²⁰+13.65

>>Variant: (*S*)-form

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

>>Derivative: *N*-Me

CAS Registry Number: 58166-86-2

Boiling Point: Bp₁₃ 83-86°

Optical Rotation: [α]_D²⁰−53.65