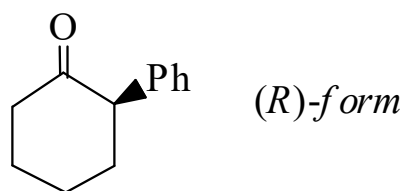




>>Entry Name: 2-Phenylcyclohexanone, 9CI



CAS Registry Number: 1444-65-1

Molecular Formula: C₁₂H₁₄O

Molecular Weight: 174.242

Accurate Mass: 174.104465

Percentage Composition: C 82.72%; H 8.10%; O 9.18%

Aldrich: P2227-3

Fluka: 78328

Rare Chemicals Library: S3631-6

>>Variant: (R)-form

CAS Registry Number: 34281-93-1

Molecular Formula: C₁₂H₁₄O

Molecular Weight: 174.242

Accurate Mass: 174.104465

Percentage Composition: C 82.72%; H 8.10%; O 9.18%

Melting Point: Mp 38-39°

Optical Rotation: $[\alpha]_{\text{D}}^{26} +114.7$ (c, 0.45 in C₆H₆)

>>Variant: (S)-form

CAS Registry Number: 34281-94-2

Molecular Formula: C₁₂H₁₄O

Molecular Weight: 174.242

Accurate Mass: 174.104465

Percentage Composition: C 82.72%; H 8.10%; O 9.18%

Melting Point: Mp 38-39°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -113.5$ (c, 0.60 in C₆H₆)

>>Variant: (±)-form

Molecular Formula: C₁₂H₁₄O

Molecular Weight: 174.242

Accurate Mass: 174.104465

Percentage Composition: C 82.72%; H 8.10%; O 9.18%

Physical Description: Cryst. (EtOH or petrol)

Melting Point: Mp 62°

Boiling Point: Bp₁₆ 180°

>>Derivative: Oxime

CAS Registry Number: 22591-17-9

Molecular Formula: C₁₂H₁₅NO

Molecular Weight: 189.257

Accurate Mass: 189.115364

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Melting Point: Mp 169°

Rare Chemicals Library: S86355-6

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 24385-72-6

Melting Point: Mp 137-138°

References: