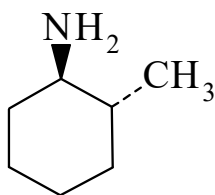




>>Entry Name: 2-Methylcyclohexylamine

Synonym(s): Hexahydro-*o*-toluidine. 1-Amino-2-methylcyclohexane



(1*R*,2*R*)-form

CAS Registry Number: 7003-32-9

Molecular Formula: C₇H₁₅N

Molecular Weight: 113.202

Accurate Mass: 113.120449

Percentage Composition: C 74.27%; H 13.36%; N 12.37%

Aldrich: 19343-7

Fluka: 66461

>>Variant: (1*R*,2*R*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 931-10-2

Molecular Formula: C₇H₁₅N

Molecular Weight: 113.202

Accurate Mass: 113.120449

Percentage Composition: C 74.27%; H 13.36%; N 12.37%

Boiling Point: Bp 149.7-150.2°. Bp₉ 60-64°

Density: d₄²⁰ 0.869

Refractive Index: n_D²⁰ 1.4650

>>Derivative: Hydrochloride

Melting Point: Mp 279°

>>Derivative: Ac

CAS Registry Number: 29122-02-9

Molecular Formula: C₉H₁₇NO

Molecular Weight: 155.239

Accurate Mass: 155.131014

Percentage Composition: C 69.63%; H 11.04%; N 9.02%; O 10.31%

Melting Point: Mp 57°

>>Variant: (1*R*,2*S*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 2164-19-4

Molecular Formula: C₇H₁₅N

Molecular Weight: 113.202

Accurate Mass: 113.120449

Percentage Composition: C 74.27%; H 13.36%; N 12.37%

Boiling Point: Bp 153.5-154°. Bp₁₁ 56-63°

Density: d₄²⁰ 0.879

Refractive Index: n_D²⁰ 1.4688

>>Derivative: Hydrochloride

Melting Point: Mp 266-267°

>>Derivative: Ac

CAS Registry Number: 29121-83-3

Melting Point: Mp 82°

References: