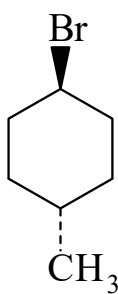




>>Entry Name: 4-Methylcyclohexyl bromide

Synonym(s): 1-Bromo-4-methylcyclohexane, 9CI



(1*RS*,4*RS*)-form

CAS Registry Number: 6294-40-2

Molecular Formula: C₇H₁₃Br

Molecular Weight: 177.084

Accurate Mass: 176.040061

Percentage Composition: C 47.48%; H 7.40%; Br 45.12%

Aldrich: 46768-5

Other: PB: M15170

>>Variant: (1*RS*,4*RS*)-form

Synonym(s): *trans*-form

CAS Registry Number: 28046-91-5

Molecular Formula: C₇H₁₃Br

Molecular Weight: 177.084

Accurate Mass: 176.040061

Percentage Composition: C 47.48%; H 7.40%; Br 45.12%

Physical Description: Liq.

Boiling Point: Bp₂₀ 69° (>95% *trans*). Bp_{9,5} 57°

Refractive Index: n_D^{29.9} 1.4800

>>Variant: (1*RS*,4*SR*)-form

Synonym(s): *cis*-form

CAS Registry Number: 28046-90-4

Molecular Formula: C₇H₁₃Br

Molecular Weight: 177.084

Accurate Mass: 176.040061

Percentage Composition: C 47.48%; H 7.40%; Br 45.12%

Physical Description: Liq.

Boiling Point: Bp₂₀ 72° (>95% *cis*). Bp_{9,5} 57-57.8°

Refractive Index: n_D^{29.9} 1.4843

References:

Eliel, E., *Chem. Ind. (London)*, 1959, 568, (*pmr*)

Jensen, F.R. *et al.*, *J.A.C.S.*, 1960, **82**, 148, (*synth, ir*)

Schneider, H.-J. *et al.*, *J.O.C.*, 1978, **43**, 3866, (*cmr*)

Kitching, W. *et al.*, *J.O.C.*, 1982, **47**, 1893, (*synth, pmr*)

Olszowy, H.A. *et al.*, *Organometallics*, 1984, **3**, 1676, (*synth, cmr*)