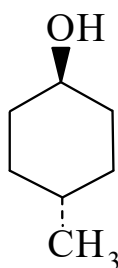




>>Entry Name: 4-Methylcyclohexanol, 9CI

Synonym(s): Hexahydro-*p*-cresol



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

CAS Registry Number: 589-91-3

Related CAS Registry Numbers(s): 25639-42-3

Extra CAS Registry Numbers(s): 25639-42-3

Molecular Formula: C<sub>7</sub>H<sub>14</sub>O

Molecular Weight: 114.187

Accurate Mass: 114.104465

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Hazard & Toxicity: Fl. p. 70°, autoignition temp. 295°. Eye, skin and respiratory tract irritant

Aldrich: 15309-5

Fluka: 66360

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

Synonym(s): *trans*-form.  $\alpha$ -form

CAS Registry Number: 7731-29-5

Molecular Formula: C<sub>7</sub>H<sub>14</sub>O

Molecular Weight: 114.187

Accurate Mass: 114.104465

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Boiling Point: Bp 173-174.5°. Bp<sub>15</sub> 76°

Aldrich: 10419-1

>>Derivative: 4-Nitrobenzoyl

Melting Point: Mp 64-65°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 142°

>>Variant: (1*R*,4*S*)-form

Synonym(s): *cis*-form.  $\beta$ -form

CAS Registry Number: 7731-28-4

Molecular Formula: C<sub>7</sub>H<sub>14</sub>O

Molecular Weight: 114.187

Accurate Mass: 114.104465

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Boiling Point: Bp 173-174°. Bp<sub>15</sub> 72.5°

Aldrich: 10418-3

>>Derivative: Ac

CAS Registry Number: 13332-20-2

Molecular Formula: C<sub>9</sub>H<sub>16</sub>O<sub>2</sub>

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Boiling Point: Bp 183-184°

>>Derivative: 4-Nitrobenzoyl

Melting Point: Mp 93.5-94.5°

>>Derivative: 3,5-Dinitrobenzoyl