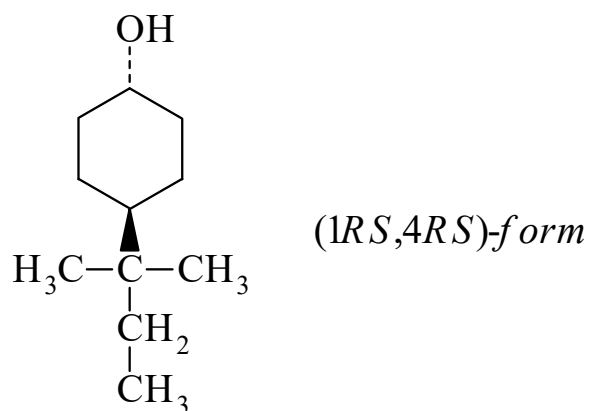




>>Entry Name: 4-(1,1-Dimethylpropyl)cyclohexanol

Synonym(s): 4-*tert*-Pentylcyclohexanol, 8Cl. 4-*tert*-Amylcyclohexanol



CAS Registry Number: 5349-51-9

Molecular Formula: C<sub>11</sub>H<sub>22</sub>O

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Aldrich: 41261-9

Rare Chemicals Library: S64348-3

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

Synonym(s): *trans*-form

Molecular Formula: C<sub>11</sub>H<sub>22</sub>O

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Use/Importance: Perfumery constit.

Melting Point: Mp 47-48°

>>Derivative: Ac

Use/Importance: Perfumery constit.

Boiling Point: Bp<sub>5</sub> 92-93°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 123-124°

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

Synonym(s): *cis*-form

CAS Registry Number: 20698-29-7

Molecular Formula: C<sub>11</sub>H<sub>22</sub>O

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Use/Importance: Perfumery constit.

Melting Point: Mp 48-49°

>>Derivative: Ac

Molecular Formula: C<sub>13</sub>H<sub>24</sub>O<sub>2</sub>

Molecular Weight: 212.331

Accurate Mass: 212.17763

Percentage Composition: C 73.54%; H 11.39%; O 15.07%

Use/Importance: Perfumery constit.

Boiling Point: Bp<sub>7</sub> 100-102°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 125-126°

References: