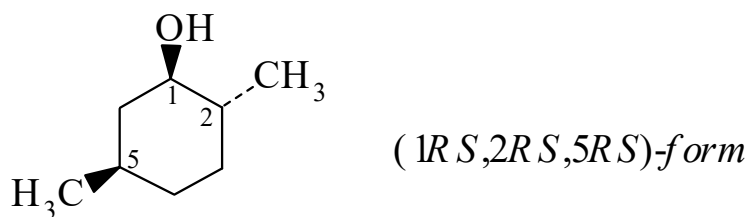




>>Entry Name: 2,5-Dimethylcyclohexanol, 9CI



CAS Registry Number: 3809-32-3

Molecular Formula: C<sub>8</sub>H<sub>16</sub>O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Other Data: At least two stereoisomers have been fully characterised, others have been identified by nmr

Rare Chemicals Library: S42990-2

>>Variant: (1*R*,2*R*,5*R*)-form

Synonym(s): (1*α*,2*β*,5*α*)-form. (±)-*trans*,*cis*-form

CAS Registry Number: 7059-52-1

Molecular Formula: C<sub>8</sub>H<sub>16</sub>O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Boiling Point: Bp 179°

>>Derivative: Phenylurethane

Melting Point: Mp 117°

>>Derivative: 1-Naphthylurethane

Melting Point: Mp 172-173.5°

>>Variant: (1*R*,2*SR*,5*SR*)-form

Synonym(s): (1*α*,2*α*,5*β*)-form. (±)-*cis*,*trans*-form

CAS Registry Number: 3127-82-0

Molecular Formula: C<sub>8</sub>H<sub>16</sub>O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Boiling Point: Bp 180°. Bp<sub>14</sub> 74°

>>Derivative: Phenylurethane

Melting Point: Mp 113°

#### References:

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Godchot, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1925, **37**, 1646, (*synth*)

Ungnade, H.E. *et al.*, *J.A.C.S.*, 1944, **66**, 118, (*synth*)

Pehk, T. *et al.*, *Org. Magn. Reson.*, 1976, **8**, 5, (*cmr*)