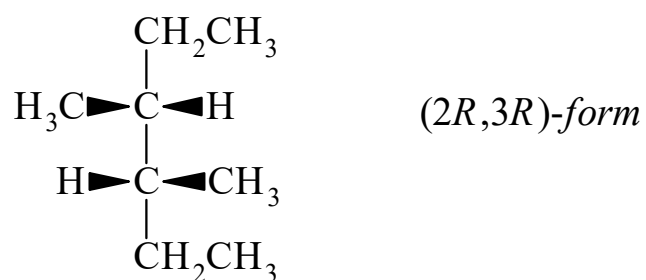




>>Entry Name: 3,4-Dimethylhexane, 9CI



CAS Registry Number: 583-48-2

Related CAS Registry Numbers(s): 10203-80-2 52919-17-2 52949-33-4

Molecular Formula: C<sub>8</sub>H<sub>18</sub>

Molecular Weight: 114.23

Accurate Mass: 114.14085

Percentage Composition: C 84.12%; H 15.88%

Aldrich: 11841-9

Fluka: 40512

>>Variant: (2*R*,3*R*)-form

Molecular Formula: C<sub>8</sub>H<sub>18</sub>

Molecular Weight: 114.23

Accurate Mass: 114.14085

Percentage Composition: C 84.12%; H 15.88%

Boiling Point: Bp 117-119°

Optical Rotation: [α]<sub>D</sub><sup>23</sup>+0.58

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4040

>>Variant: (3*RS*,4*SR*)-form

Synonym(s): *meso*-form

Molecular Formula: C<sub>8</sub>H<sub>18</sub>

Molecular Weight: 114.23

Accurate Mass: 114.14085

Percentage Composition: C 84.12%; H 15.88%

Boiling Point: Bp 115°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4015

#### References:

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