



>>Entry Name: 5-Decene, 9CI

CAS Registry Number: 19689-19-1

Extra CAS Registry Numbers(s): 25339-53-1

H3C(CH2)3CH=CH(CH2)3CH3

Molecular Formula: C<sub>10</sub>H<sub>20</sub>

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp<sub>750</sub> 170°

>>Variant: (*E*)-form

CAS Registry Number: 7433-56-9

Molecular Formula: C<sub>10</sub>H<sub>20</sub>

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 172-173.5°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4213

Aldrich: 11048-5

>>Variant: (*Z*)-form

CAS Registry Number: 7433-78-5

Molecular Formula: C<sub>10</sub>H<sub>20</sub>

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 169-170°. Bp<sub>11</sub> 59°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4230

#### References:

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Bestmann, H.J. *et al.*, *Synthesis*, 1974, 798, (*synth*)

House, H.O. *et al.*, *J.O.C.*, 1974, **39**, 747, (*synth*)

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