



>>Entry Name: 4-Decene, 9CI

CAS Registry Number: 19689-18-0

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

$\text{H}_3\text{C}(\text{CH}_2)_4\text{CH}=\text{CHCH}_2\text{CH}_2\text{CH}_3$

Molecular Formula:  $\text{C}_{10}\text{H}_{20}$

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

>>Variant: (*E*)-form

CAS Registry Number: 19398-89-1

Molecular Formula:  $\text{C}_{10}\text{H}_{20}$

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 171°. Bp<sub>200</sub> 125°

Fluka: 30655

>>Variant: (*Z*)-form

CAS Registry Number: 19398-88-0

Molecular Formula:  $\text{C}_{10}\text{H}_{20}$

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 170.5°. Bp<sub>200</sub> 124.7°

#### References:

Ziegler, K. *et al.*, *Annalen*, 1950, **567**, 43, (*synth*)

Michkelson, W.J. *et al.*, *Monatsh. Chem.*, 1974, **105**, 1379, (*props*)

Baba, S. *et al.*, *Tet. Lett.*, 1976, 1927, (*synth*)

Barillier, D. *et al.*, *Tetrahedron*, 1983, **39**, 767, (*cmr*)

Polyakova, A.A. *et al.*, *Zh. Org. Khim.*, 1987, **23**, 1164, (*ms*)

Coleman, W.M. *et al.*, *Appl. Spectrosc.*, 1989, **43**, 305, (*ir*)