



>>Entry Name: 2-Decene

CAS Registry Number: 6816-17-7

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

$\text{H}_3\text{C}(\text{CH}_2)_6\text{CH}=\text{CHCH}_3$

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

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Rare Chemicals Library: S43674-7

>>Variant: (E)-form

CAS Registry Number: 20063-97-2

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 173.5°. Bp₂₀₀ 127.6°

>>Variant: (Z)-form

CAS Registry Number: 20348-51-0

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 173.8°. Bp₂₀₀ 128.1°

References:

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

Nixon, J.F. *et al.*, *J. Organomet. Chem.*, 1975, **87**, 341, (*synth*)

Marshall, J.A. *et al.*, *Synth. Commun.*, 1975, **5**, 293, (*synth*)

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

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

Rao, A.S. *et al.*, *J. Organomet. Chem.*, 1988, **342**, 15, (*synth, cmr*)

Coleman, W.M. *et al.*, *Appl. Spectrosc.*, 1989, **43**, 305; 1008, (*ir*)