



>>Entry Name: 2,4-Undecadienal, 9CI

CAS Registry Number: 13162-46-4

$\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}=\text{CHCH}=\text{CHCHO}$

Molecular Formula: $\text{C}_{11}\text{H}_{18}\text{O}$

Molecular Weight: 166.263

Accurate Mass: 166.135765

Percentage Composition: C 79.47%; H 10.91%; O 9.62%

Physical Description: Oil

Boiling Point: Bp_{17} 110-120°

Density: d^{26}_D 0.857

Refractive Index: n^{26}_D 1.5102

Other Data: Props. refer to an undefined mixt. of isomers

>>Variant: (2E,4E)-form

CAS Registry Number: 30361-29-6

Molecular Formula: $\text{C}_{11}\text{H}_{18}\text{O}$

Molecular Weight: 166.263

Accurate Mass: 166.135765

Percentage Composition: C 79.47%; H 10.91%; O 9.62%

>>Derivative: Nitrosohydrazone

>>Variant: (2E,4Z)-form

CAS Registry Number: 53434-76-7

Molecular Formula: $\text{C}_{11}\text{H}_{18}\text{O}$

Molecular Weight: 166.263

Accurate Mass: 166.135765

Percentage Composition: C 79.47%; H 10.91%; O 9.62%

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 42022-71-9

Physical Description: Red blades

Melting Point: Mp 119-120°

References:

Forss, D.A. *et al.*, *Aust. J. Chem.*, 1956, **9**, 420-424, (*synth*)

Bohlmann, F. *et al.*, *Chem. Ber.*, 1956, **89**, 1307-1315, (*synth*)

Pippen, E.L. *et al.*, *J.O.C.*, 1958, **23**, 1580-1582, (*synth*)

Stitt, F. *et al.*, *Spectrochim. Acta*, 1961, **17**, 51-63, (*uv*)

Ficini, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1964, 1294-1301, (*synth*)

Näf, F. *et al.*, *Helv. Chim. Acta*, 1974, **57**, 1309-1317, (*synth*, *E,E-form*, *E,Z-form*)