



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

CAS Registry Number: 13162-46-4

H3C(CH2)5CH=CHCH=CHCHO

Molecular Formula: C₁₁H₁₈O

Molecular Weight: 166.263

Accurate Mass: 166.135765

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

Physical Description: Oil

Boiling Point: Bp₁₇ 110-120°

Density: d₂₆²⁶ 0.857

Refractive Index: n_D²⁶ 1.5102

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

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

CAS Registry Number: 30361-29-6

Molecular Formula: C₁₁H₁₈O

Molecular Weight: 166.263

Accurate Mass: 166.135765

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

>>Derivative: Nitrosohydrazone

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

CAS Registry Number: 53434-76-7

Molecular Formula: C₁₁H₁₈O

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)