



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

ENTRY UNDER REVIEW

CAS Registry Number: 5577-44-6

Related CAS Registry Numbers(s): 33819-10-2

H3CCH2CH2CH=CHCH=CHCHO

Molecular Formula: C₈H₁₂O

Molecular Weight: 124.182

Accurate Mass: 124.088815

Percentage Composition: C 77.38%; H 9.74%; O 12.88%

Aldrich: W37210-2

>>Variant: (E,E)-form

Synonym(s): FEMA 3721

CAS Registry Number: 30361-28-5

Molecular Formula: C₈H₁₂O

Molecular Weight: 124.182

Accurate Mass: 124.088815

Percentage Composition: C 77.38%; H 9.74%; O 12.88%

Physical Description: Liq. with a fatty, green, sour odour

Boiling Point: Bp₁₁ 83-85°

Refractive Index: n_D²⁰ 1.5244

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 154-156°

References:

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

Yamamoto, K. *et al.*, *Chem. Lett.*, 1979, 713, (*synth*)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 609

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 2000