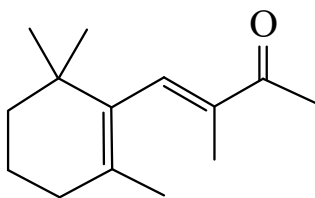




>>Entry Name: 3-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one, 9CI, 8CI

ENTRY UNDER REVIEW

Synonym(s): 3-Methyl- β -ionone. β -iso-Methylionone. FEMA 2713



CAS Registry Number: 79-89-0

Extra CAS Registry Numbers(s): 1322-70-9

Molecular Formula: C₁₄H₂₂O

Molecular Weight: 206.327

Accurate Mass: 206.167065

Percentage Composition: C 81.50%; H 10.75%; O 7.75%

Use/Importance: Perfumery and flavouring ingredient

Physical Description: Liq. with floral odour and berry-like flavour

Boiling Point: Bp₂ 105-106° Bp_{3.1} 94°

Refractive Index: n_D²⁵ 1.4969

Rare Chemicals Library: S40930-8

>>Derivative: Semicarbazone

It appears that some of the structs. / names reported are erroneous

Physical Description: Cryst. (EtOH)

Melting Point: Mp 183-184°

>>Derivative: 2,4-Dinitrophenylhydrazone

It appears that some of the structs. / names reported are erroneous

Melting Point: Mp 148-149°

References:

Köster, H., *Chem. Ber.*, 1947, **80**, (*synth*)

Luskin, R.M. *et al.*, *J.A.C.S.*, 1949, **71**, 2412, (*uv*)

Beets, M.G.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1950, **69**, 736; 307, (*props, struct, synth, uv*)

Naves, Y.R. *et al.*, *Bull. Soc. Chim. Fr.*, 1951, 249, (*synth*)

Naves, Y.R. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1954, **238**, 1308, (*ir*)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 561, (*use*)