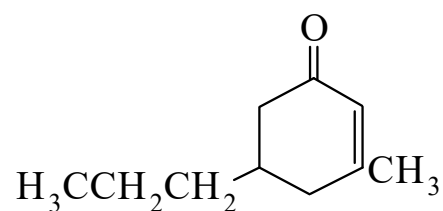




>>Entry Name: 3-Methyl-5-propyl-2-cyclohexen-1-one, 9CI

ENTRY UNDER REVIEW

Synonym(s): Celery ketone. FEMA 3577



CAS Registry Number: 3720-16-9

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Use/Importance: Celery flavour ingredient

>>Variant: (±)-form

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Boiling Point: Bp 242-244°. Bp₁₂ 120-122°

Density: d₄²²0.93

References:

Horning, E.C. *et al.*, *J.A.C.S.*, 1947, **69**, 1907-1908, (*azine*)

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Leraux, Y. *et al.*, *Ann. Chim. (Paris)*, 1972, **7**, 39-52, (*synth, ir, pmr*)

Cosse-Barbi, A., *Bull. Soc. Chim. Fr.*, 1972, 3321-3332, (*uv*)

Ger. Pat., 1978, 2 654 850; *CA*, **89**, 108357y, (*synth*)