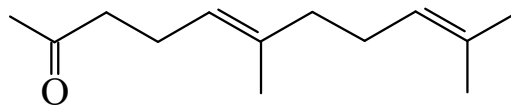




>>Entry Name: 1,2-Dinor-6,10-farnesadien-3-one

ENTRY UNDER REVIEW

Synonym(s): 6,10-Dimethyl-5,9-undecadien-2-one, 9CI. FEMA 3542



(E)-form

CAS Registry Number: 689-67-8

Type of Compound Code(s): VS1300

Molecular Formula: C₁₃H₂₂O

Molecular Weight: 194.316

Accurate Mass: 194.167065

Percentage Composition: C 80.36%; H 11.41%; O 8.23%

Hazard & Toxicity: Skin irritant

>>Variant: (E)-form

Synonym(s): Geranylacetone. FEMA 3542

CAS Registry Number: 3796-70-1

Type of Compound Code(s): WE9999 W15000 VS1300

Molecular Formula: C₁₃H₂₂O

Molecular Weight: 194.316

Accurate Mass: 194.167065

Percentage Composition: C 80.36%; H 11.41%; O 8.23%

Biological Source: Constit. of many essential oils including peppermint (*Mentha piperita*) and Carolina vanilla (*Carphephorus odoratissimus*). Chemical scent constit. of urine of red fox *Vulpes vulpes*

Use/Importance: Intermed. in synth. of vitamins and sesquiterpene alcohols. Used in food flavouring. Has juvenile hormone activity

Boiling Point: Bp₁₀ 124°

Aldrich: 25071-6

Fluka: 48805

Sigma: G8659

>>Derivative: Semicarbazone

Melting Point: Mp 96-97°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 54-55°

>>Variant: (Z)-form

Synonym(s): Nerylacetone

CAS Registry Number: 3879-26-3

Type of Compound Code(s): VS1300

Molecular Formula: C₁₃H₂₂O

Molecular Weight: 194.316

Accurate Mass: 194.167065

Percentage Composition: C 80.36%; H 11.41%; O 8.23%

Aldrich: 33001-9

Fluka: 72185

Sigma: N3404

>>Derivative: Semicarbazone

Melting Point: Mp 90-91°

References: