



Biological Source: Odoriferous constit. of many plants. Present in apple, grapefruit, guava fruit, papaya, melon, pineapple, wheat bread, crispbread, wines, fruit brandies, shoyu, beli (*Aegle marmelos*), sake, and cerimon (*Monstera deliciosa*)

Use/Importance: Used in perfumery and flavouring

Physical Description: Liq. with honey and bittersweet flavour

Boiling Point: Bp 227-227.6°. Bp_{17.5} 120-125° (lit. gives a pressure range)

Density: d₄²⁰ 1.033

Refractive Index: n_D²⁰ 1.4960 n_D²⁰ 1.5000

Aldrich: W24520-8

Fluka: 78500

>> **Derivative:** Propyl ester

Synonym(s): FEMA 2955

CAS Registry Number: 4606-15-9

Molecular Formula: C₁₁H₁₄O₂

Molecular Weight: 178.23

Accurate Mass: 178.09938

Percentage Composition: C 74.13%; H 7.92%; O 17.95%

Physical Description: Liq. with sweet honey-like flavour

Boiling Point: Bp₇₅₃ 240°. Bp 253°

Density: d₄²⁰ 1.01. d₄¹⁵ 0.99

Refractive Index: n_D²⁰ 1.4960

Aldrich: W29550-7

>> **Derivative:** Isopropyl ester

Synonym(s): FEMA 2956

CAS Registry Number: 4861-85-2

Molecular Formula: C₁₁H₁₄O₂

Molecular Weight: 178.23

Accurate Mass: 178.09938

Percentage Composition: C 74.13%; H 7.92%; O 17.95%

Physical Description: Liq. with sweet honey-like flavour and wine undertone

Boiling Point: Bp₁₂ 157-165°. Bp 253°

Density: d₄²⁰ 1.01

Aldrich: W29560-4

>> **Derivative:** 2-Propenyl ester

Synonym(s): 2-Propenyl phenylacetate. Allyl phenylacetate. FEMA 2039

CAS Registry Number: 1797-74-6

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Use/Importance: Used in perfumery and food flavouring

Physical Description: Oil with honey-like aroma and flavour

Melting Point: Mp 93-97°

Boiling Point: Bp₃ 89-93°

Refractive Index: n_D^{13.5} 1.5122

>> **Derivative:** Butyl ester

Synonym(s): FEMA 2207

CAS Registry Number: 122-43-0

Molecular Formula: C₁₂H₁₆O₂

Molecular Weight: 192.257

Accurate Mass: 192.11503

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Biological Source: Present in mountain papaya (*Carica pubescens*)

Use/Importance: Flavouring agent

Physical Description: Liq.

Boiling Point: Bp 260°

Density: d₄²⁵ 0.99

Refractive Index: n 1.4910