



Biological Source: Present in lemongrass
Use/Importance: Used in perfumery and food flavouring
Boiling Point: Bp 264°
Density: d 0.88
Other Data: Poorly documented

>> **Derivative:** Benzoyl

Synonym(s): Linalyl benzoate. FEMA 2638

CAS Registry Number: 126-64-7
Type of Compound Code(s): WE2000 WI5000 WI3800
Molecular Formula: C₁₇H₂₂O₂
Molecular Weight: 258.36
Accurate Mass: 258.16198
Percentage Composition: C 79.03%; H 8.58%; O 12.39%
Biological Source: Found in ylang-ylang and tuberose essential oils
Use/Importance: Used in perfumery and food flavouring
Boiling Point: Bp 263°. Bp_{0.05} 98°
Density: d 0.98

>> **Derivative:** Cinnamoyl

Synonym(s): Linalyl cinnamate. FEMA 2641

CAS Registry Number: 78-37-5
Type of Compound Code(s): WE2000
Molecular Formula: C₁₉H₂₄O₂
Molecular Weight: 284.397
Accurate Mass: 284.17763
Percentage Composition: C 80.24%; H 8.51%; O 11.25%
Use/Importance: Used in perfumery and food flavouring
Boiling Point: Bp 353°
Density: d 0.99
Refractive Index: n_D²⁰ 1.5330

>> **Derivative:** 2-Aminobenzoyl

Synonym(s): Linalyl anthranilate. FEMA 2637

CAS Registry Number: 7149-26-0
Type of Compound Code(s): WE2000
Molecular Formula: C₁₇H₂₃NO₂
Molecular Weight: 273.374
Accurate Mass: 273.172879
Percentage Composition: C 74.69%; H 8.48%; N 5.12%; O 11.71%
Use/Importance: Used in food flavouring
Physical Description: Liq. with sweet orange-like flavour
Density: d 1.06
Other Data: Bp >320°
Aldrich: W26370-2

>> **Derivative:** Dihydrogen phosphate

Synonym(s): 3,7-Dimethyl-1,6-octadien-3-yl dihydrogen phosphate, 9CI. Linalyl phosphate. Linaloyl dihydrogen phosphate

Molecular Formula: C₁₀H₁₉O₄P
Molecular Weight: 234.231
Accurate Mass: 234.102097
Percentage Composition: C 51.28%; H 8.18%; O 27.32%; P 13.22%
Physical Description: Solid (as di-NH₄ salt)
Melting Point: Mp 148-150° (di-NH₄ salt)