



>>>Derivative: Heptyl ester
Synonym(s): Heptyl octanoate. Heptyl caprylate. FEMA 2553

CAS Registry Number: 2349-13-5

Molecular Formula: $C_{15}H_{30}O_2$
Molecular Weight: 242.401
Accurate Mass: 242.22458
Percentage Composition: C 74.33%; H 12.47%; O 13.20%
Use/Importance: Flavouring ingredient
Physical Description: Oil
Melting Point: Mp -10°
Boiling Point: Bp₁₄ 160°
Density: d_4^{30} 0.85
Refractive Index: n_D^{20} 1.4340

>>>Derivative: Octyl ester
Synonym(s): Octyl octanoate. Capryl caprylate. FEMA 2811

CAS Registry Number: 2306-88-9

Molecular Formula: $C_{16}H_{32}O_2$
Molecular Weight: 256.428
Accurate Mass: 256.24023
Percentage Composition: C 74.94%; H 12.58%; O 12.48%
Biological Source: A minor component in the mandibular secretions of some species of bees and ants
Physical Description: Liq. with oily, fruity, sweet mildly green taste
Melting Point: Mp -18.1°
Boiling Point: Bp 306° . Bp₃₀ 192.5°
Density: d_4^{25} 0.86
Refractive Index: n_D^{20} 1.4352

>>>Derivative: 2-Propenyl ester
Synonym(s): 2-Propenyl octanoate. Allyl caprylate. FEMA 2037

CAS Registry Number: 4230-97-1

Molecular Formula: $C_{11}H_{20}O_2$
Molecular Weight: 184.278
Accurate Mass: 184.14633
Percentage Composition: C 71.70%; H 10.94%; O 17.36%
Use/Importance: Used in perfumery. Flavouring agent
Physical Description: Liq. with fruit-like aroma
Boiling Point: Bp 222° . Bp_{5.5} $87-88^{\circ}$
Density: d_4^{30} 0.87
Refractive Index: n_D^{30} 1.4271

>>>Derivative: Ph ester
Synonym(s): Phenyl octanoate. Phenyl caprylate

CAS Registry Number: 5457-78-3

Molecular Formula: $C_{14}H_{20}O_2$
Molecular Weight: 220.311
Accurate Mass: 220.14633
Percentage Composition: C 76.33%; H 9.15%; O 14.52%
Physical Description: Oil
Boiling Point: Bp₁₀ 154° . Bp_{0.3} $96-98^{\circ}$

>>>Derivative: 4-Methylphenyl ester

CAS Registry Number: 59558-23-5
Molecular Formula: $C_{15}H_{22}O_2$
Molecular Weight: 234.338
Accurate Mass: 234.16198
Percentage Composition: C 76.88%; H 9.46%; O 13.66%
Boiling Point: Bp₁₂ 175°
Density: d_4^{24} 0.96
Other: PB C26430