



Density: d 0.9

Refractive Index: n_D^{25} 1.4287

>>**Derivative:** 2-Methylpropanoyl

Synonym(s): *cis*-3-Hexenyl isobutyrate

CAS Registry Number: 41519-23-7

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Biological Source: Found in spearmint oil

Use/Importance: Used in perfumery in blossom compositions

Physical Description: Liq. with green, fruity odour

>>**Derivative:** Pentanoyl

Synonym(s): *cis*-3-Hexenyl pentanoate

CAS Registry Number: 35852-46-1

Molecular Formula: C₁₁H₂₀O₂

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Biological Source: Constit. of *Coridothymus capitatus* and other plants

>>**Derivative:** Hexanoyl

Synonym(s): *cis*-3-Hexenyl hexanoate. FEMA 3403

CAS Registry Number: 31501-11-8

Molecular Formula: C₁₂H₂₂O₂

Molecular Weight: 198.305

Accurate Mass: 198.16198

Percentage Composition: C 72.68%; H 11.18%; O 16.14%

Biological Source: Constit. of Tabasco peppers (*Capsicum frutescens*). Aroma component of green tea

Physical Description: Green, fruity odour

>>**Derivative:** 4-Hexenoyl(*E*-)

Synonym(s): *cis*-3-Hexenyl *trans*-4-hexenoate

CAS Registry Number: 74638-19-0

Molecular Formula: C₁₂H₂₀O₂

Molecular Weight: 196.289

Accurate Mass: 196.14633

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Biological Source: Constit. of *Coridothymus capitatus*

>>**Derivative:** Benzoyl

Synonym(s): FEMA 3688

CAS Registry Number: 25152-85-6

Extra CAS Registry Numbers(s): 72200-74-9 75019-52-2

Molecular Formula: C₁₃H₁₆O₂

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Biological Source: Constit. of black tea aroma and *Gardenia jasminoides*. Also present in bilberry, lingon berry, cowberry and feijoa fruit and peel

Use/Importance: Flavouring agent

Boiling Point: Bp₆ 134-135°

Density: d¹⁵ 1.008

Refractive Index: n_D^{20} 1.5056

Other Data: Phys. props. refer to a preparation of undefined stereochem., prob. a mixt. of *E*- and *Z*-isomers