



CAS Registry Number: 132278-37-6

Molecular Formula: C₁₇H₃₀O₁₀

Molecular Weight: 394.418

Accurate Mass: 394.1839

Percentage Composition: C 51.77%; H 7.67%; O 40.56%

Biological Source: Constit. of *Alangium platanifolium trilobum* and *Camellia sinensis*

Physical Description: Pale yellow powder

Optical Rotation: [α]_D -56.7 (c, 0.9 in MeOH)

>> **Derivative:** O-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): 3-Hexenyl rutinoside

CAS Registry Number: 203573-20-0

Molecular Formula: C₁₈H₃₂O₁₀

Molecular Weight: 408.445

Accurate Mass: 408.19955

Percentage Composition: C 52.93%; H 7.90%; O 39.17%

Biological Source: Constit. of *Celosia argentea*

Physical Description: Oil

Optical Rotation: [α]_D²⁰ -48.3 (c, 0.5 in MeOH)

>> **Derivative:** Formyl

Synonym(s): *cis*-3-Hexenyl formate. FEMA 3353

CAS Registry Number: 33467-73-1

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Biological Source: Present in tea aroma, raspberry, cornmint oil and black chokeberry (*Arnonia melanocarpa* Ell.)

Use/Importance: Used in perfumery and flavour compositions

Physical Description: Liq. with green fruity odour

Boiling Point: Bp 155°

Refractive Index: n_D²⁰ 1.4270

Aldrich: W33530-4

>> **Derivative:** Ac

Synonym(s): *cis*-3-Hexenyl acetate. FEMA 3171

CAS Registry Number: 3681-71-8

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Biological Source: Present in green tea and fruit volatiles

Use/Importance: Flavouring component

Boiling Point: Bp₁₂ 66°

Aldrich: W31710-1

Sigma: H2137