



CAS Registry Number: 51507-22-3
Molecular Formula: C₁₂H₁₄O₃
Molecular Weight: 206.241
Accurate Mass: 206.094295
Percentage Composition: C 69.89%; H 6.84%; O 23.27%
Boiling Point: Bp_{0.03} 85-88°

>>Derivative: Me ether, amide

Molecular Formula: C₁₀H₁₁NO₂
Molecular Weight: 177.202
Accurate Mass: 177.078979
Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%
Melting Point: Mp 129°

>>Derivative: *O*-(3,7-Dimethyl-2,6-octadienyl), Me ester

Molecular Formula: C₂₀H₂₆O₃
Molecular Weight: 314.424
Accurate Mass: 314.188195
Percentage Composition: C 76.40%; H 8.33%; O 15.27%
Biological Source: Constit. of *Boronia megastigma*
Physical Description: Wax

>>Variant: (ξ)-form

Molecular Formula: C₉H₈O₃
Molecular Weight: 164.16
Accurate Mass: 164.047345
Percentage Composition: C 65.85%; H 4.91%; O 29.24%

>>Derivative: *O*-β-D-Glucopyranoside

CAS Registry Number: 14364-05-7

Molecular Formula: C₁₅H₁₈O₈
Molecular Weight: 326.302
Accurate Mass: 326.10017
Percentage Composition: C 55.21%; H 5.56%; O 39.23%
Biological Source: Constit. of various fruits and vegetables incl. *Vicia faba*
Physical Description: Cryst. (H₂O)
Other Data: Config. not determined

>>Derivative: Me ether, methylbutyl ester

Synonym(s): Amiloxate, INN, USAN. Isopentyl *p*-methoxycinnamate. E1000

CAS Registry Number: 71617-10-2

Molecular Formula: C₁₅H₂₀O₃
Molecular Weight: 248.321
Accurate Mass: 248.141245
Percentage Composition: C 72.55%; H 8.12%; O 19.33%
Biological Use/Importance: UV-B absorber. Sunscreen agent
Boiling Point: Bp_{0.7} 156-158°
Refractive Index: n_D 1.5549

>>Derivative: Me ether, 2-ethylhexyl ester

Synonym(s): 2-Ethylhexyl *p*-methoxycinnamate. Parsol MCX. **Octinoxate**, INN, USAN

CAS Registry Number: 5466-77-3

Molecular Formula: C₁₈H₂₆O₃
Molecular Weight: 290.402
Accurate Mass: 290.188195
Percentage Composition: C 74.45%; H 9.02%; O 16.53%
Biological Use/Importance: UV-B filter used in cosmetics. Sunscreen agent
Physical Description: Oil
Solubility: Insol. H₂O
Density: d