



>>Derivative: *O*-(4-Hydroxy-3-methylbutyl), Me ester

Synonym(s): Methyl nitinoate

Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

Biological Source: Constit. of *Zanthoxylum nitidum* (*Fagara nitida*) (Rutaceae)

Physical Description: Needles (petrol/hexane)

Melting Point: Mp 55°

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

Synonym(s): Methyl *p*-geranyloxycinnamate

Molecular Formula: C₂₀H₂₆O₃

Molecular Weight: 314.424

Accurate Mass: 314.188195

Percentage Composition: C 76.40%; H 8.33%; O 15.27%

Biological Source: Isol. from *Acronychia baueri*

Physical Description: Platelets (MeOH)

Melting Point: Mp 65-67°

>>Variant: (Z)-form

CAS Registry Number: 4501-31-9

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Found in *Larix sibirica* bark and *Miscanthus floridulus*

Physical Description: Cryst. (C₆H₆ or H₂O)

Melting Point: Mp 134-134.5 dec.° (subl. from 124°)

Rare Chemicals Library: S46085-0

>>Derivative: Hexadecyl ester

Synonym(s): Hexadecyl (Z)-*p*-coumarate

Molecular Formula: C₂₅H₄₀O₃

Molecular Weight: 388.589

Accurate Mass: 388.297745

Percentage Composition: C 77.27%; H 10.37%; O 12.35%

Biological Source: Constit. of *Agropyron repens*

Physical Description: Waxy solid

Melting Point: Mp 42-47°

>>Derivative: 16-Hydroxyhexadecyl ester

Synonym(s): 16-Hydroxyhexadecyl (Z)-*p*-coumarate

Molecular Formula: C₂₅H₄₀O₄

Molecular Weight: 404.589

Accurate Mass: 404.29266

Percentage Composition: C 74.22%; H 9.96%; O 15.82%

Biological Source: Constit. of *Agropyron repens*

Physical Description: Waxy solid

Melting Point: Mp 105-108°