



Synonym(s): Caffeoylealleryanin

CAS Registry Number: 20300-49-6

Molecular Formula: C₂₂H₂₄O₁₁

Molecular Weight: 464.425

Accurate Mass: 464.131865

Percentage Composition: C 56.90%; H 5.21%; O 37.89%

Biological Source: Constit. of *Achyrocline satureioides*, *Podocarpus andina* and *Pyrus calleryana*. Component of Ye Li Zhi Ye

>> **Derivative:** 3-Me ether

Synonym(s): 4-Hydroxy-3-methoxybenzenemethanol, 9Cl. α,4-Dihydroxy-3-methoxytoluene. Vanillyl alcohol

CAS Registry Number: 498-00-0

Molecular Formula: C₈H₁₀O₃

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

Biological Source: Isol. from wood of *Picea sitchensis*

Physical Description: Cryst. (H₂O)

Melting Point: Mp 114-115°

Aldrich: W37370-2

Fluka: 55570

Sigma: H5637

>> **Derivative:** 3-Me ether, 1'-O-(7-methyloctanoyl)

Synonym(s): 4-Hydroxy-3-methoxybenzyl 7-methyloctanoate. **Nordihydrocapsiate**

Molecular Formula: C₁₇H₂₆O₄

Molecular Weight: 294.39

Accurate Mass: 294.18311

Percentage Composition: C 69.36%; H 8.90%; O 21.74%

Biological Source: Constit. of *Capsicum annuum*

Physical Description: Oil

UV: [neutral] λ_{max} 231 (ε 6800); 281 (ε 2400) (MeOH)

>> **Derivative:** 3-Me ether, 1'-O-(8-methylnonanoyl)

Synonym(s): 4-Hydroxy-3-methoxybenzyl 8-methylnonanoate. **Dihydrocapsiate**

Molecular Formula: C₁₈H₂₈O₄

Molecular Weight: 308.417

Accurate Mass: 308.19876

Percentage Composition: C 70.10%; H 9.15%; O 20.75%

Biological Source: Constit. of *Capsicum annuum*

Physical Description: Oil

UV: [neutral] λ_{max} 231 (ε 8700); 279 (ε 3700) (MeOH)

>> **Derivative:** 3-Me ether, 1'-O-(8-methyl-6-nonenoyl)(E-)

Synonym(s): 4-Hydroxy-3-methoxybenzyl 8-methyl-6-nonenoate. **Capsiate**

Molecular Formula: C₁₈H₂₆O₄

Molecular Weight: 306.401

Accurate Mass: 306.18311

Percentage Composition: C 70.56%; H 8.55%; O 20.89%

Biological Source: Constit. of *Capsicum annuum*

Physical Description: Oil

UV: [neutral] λ_{max} 231 (ε 6200); 280 (ε 2400) (MeOH)