



Molecular Weight: 516.457
Accurate Mass: 516.12678
Percentage Composition: C 58.14%; H 4.68%; O 37.17%
Biological Source: Isol. from *Zingiber zerumbet*
Physical Description: Pale yellow amorph. solid
Melting Point: Mp 111°
Optical Rotation: $[\alpha]_D^{18} -95$ (c, 1.0 in Me₂CO)

>>**Derivative:** 3",4"-Di-Ac
Synonym(s): 3",4"-Diacetylafzelin

CAS Registry Number: 77307-50-7

Molecular Formula: C₂₅H₂₄O₁₂
Molecular Weight: 516.457
Accurate Mass: 516.12678
Percentage Composition: C 58.14%; H 4.68%; O 37.17%
Biological Source: Isol. from *Zingiber zerumbet*
Physical Description: Pale yellow amorph. solid
Melting Point: Mp 154°
Optical Rotation: $[\alpha]_D^{18} -125.4$ (c, 0.7 in Me₂CO)
UV: [neutral] $\lambda_{\max}$ 266 (ε 23600); 345 (ε 16200) (EtOH) (Berdy) [base] $\lambda_{\max}$ 276 (ε 28200); 327 (ε 15100); 396 (ε 26300) (EtOH-NaOH) (Berdy)

>>**Derivative:** 2"-O-(4-Hydroxycinnamoyl)

Molecular Formula: C₃₀H₂₆O₁₂
Molecular Weight: 578.528
Accurate Mass: 578.14243
Percentage Composition: C 62.28%; H 4.53%; O 33.19%
Biological Source: Constit. of *Platanus acerifolia* and *Platanus orientalis*
Other Data: E- and Z-isomers isol. from *P. acerifolia*

>>**Derivative:** 4"-O-(4-Hydroxycinnamoyl)
Synonym(s): 4"-O-*p*-Coumaroylafzelin

Molecular Formula: C₃₀H₂₆O₁₂
Molecular Weight: 578.528
Accurate Mass: 578.14243
Percentage Composition: C 62.28%; H 4.53%; O 33.19%
Biological Source: Constit. of *Ocotea vellosiana*

>>**Derivative:** 2",4"-Bis-O-(4-hydroxycinnamoyl)
Synonym(s): 2",4"-Di-O-*p*-coumaroylafzelin

CAS Registry Number: 163434-73-9

Molecular Formula: C₃₉H₃₂O₁₄
Molecular Weight: 724.673
Accurate Mass: 724.17921
Percentage Composition: C 64.64%; H 4.45%; O 30.91%
Biological Source: Constit. of *Ocotea vellosiana* and *Pentachondra pumila*
Use/Importance: Antimicrobial agent
Physical Description: Yellow powder
UV: [neutral] $\lambda_{\max}$ 270 (); 316 () (MeOH) (Berdy)

>>**Derivative:** 2",4"-Bis-O-(4-hydroxycinnamoyl)(Z-)

Molecular Formula: C₃₉H₃₂O₁₄
Molecular Weight: 724.673
Accurate Mass: 724.17921
Percentage Composition: C 64.64%; H 4.45%; O 30.91%
Biological Source: Constit. of *Laurus nobilis*
Physical Description: Yellow powder