



Molecular Formula: C₂₁H₂₈O₉
Molecular Weight: 424.447
Accurate Mass: 424.173335
Percentage Composition: C 59.43%; H 6.65%; O 33.93%
Biological Source: Constit. of *Vernonanthura squamulosa*
Physical Description: Gum
Optical Rotation: [α]_D +41 (c, 0.7 in EtOH)
UV: [neutral] $\lambda_{\max}$ 214 (log ϵ 3.82); 286 (log ϵ 4.39) (MeOH)

>> **Derivative:** 8-(Methylpropenoyl)

Synonym(s): Piptocarphin C

CAS Registry Number: 76215-50-4

Molecular Formula: C₁₉H₂₄O₈
Molecular Weight: 380.394
Accurate Mass: 380.14712
Percentage Composition: C 59.99%; H 6.36%; O 33.65%
Biological Source: Constit. of *Piptocarpha chontalensis*
Physical Description: Oil
Solubility: BERDY SOL: Sol. MeOH, CHCl₃
UV: [neutral] $\lambda_{\max}$ 285 (ϵ 47900) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 283 (ϵ 17700) (MeOH) (Berdy)

>> **Derivative:** 8-(Methylpropenoyl), 13-Ac

Synonym(s): Piptocarphin A

CAS Registry Number: 76248-63-0

Molecular Formula: C₂₁H₂₆O₉
Molecular Weight: 422.431
Accurate Mass: 422.157685
Percentage Composition: C 59.71%; H 6.20%; O 34.09%
Biological Source: Constit. of *Piptocarpha chontalensis*
Physical Description: Oil
Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane
UV: [neutral] $\lambda_{\max}$ 285 (ϵ 47900) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 286 (ϵ 48000) (MeOH) (Berdy)

>> **Derivative:** 13-(2-Methylpropenoyl)

Synonym(s): Piptocarphin H

Molecular Formula: C₁₉H₂₄O₈
Molecular Weight: 380.394
Accurate Mass: 380.14712
Percentage Composition: C 59.99%; H 6.36%; O 33.65%
Biological Source: Isol. from *Piptocarpha opaca*
Physical Description: Oil

>> **Derivative:** 8-(2-Hydroxymethyl-2-propenoyl), 13-Ac

Molecular Formula: C₂₁H₂₆O₁₀
Molecular Weight: 438.43
Accurate Mass: 438.1526
Percentage Composition: C 57.53%; H 5.98%; O 36.49%
Biological Source: Constit. of *Vernonia cinerea*
Physical Description: Oil