



Percentage Composition: C 58.36%; H 5.20%; O 36.44%

Biological Source: Constit. of *Plumeria obtusa*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 196-197°

>>**Derivative:** 13-*O*-[β-D-Glucopyranosyl-(1→4)-4-hydroxycinnamoyl]

Synonym(s): Protoplumericin A

CAS Registry Number: 80396-57-2

Molecular Formula: C₃₆H₄₂O₁₉

Molecular Weight: 778.716

Accurate Mass: 778.232035

Percentage Composition: C 55.53%; H 5.44%; O 39.04%

Biological Source: Constit. of *Allamanda neriifolia*

Physical Description: Solid

Optical Rotation: [α]_D²⁵ −89.9 (c, 1.09 in MeOH)

Solubility: BERDY SOL: Sol. MeOH, H₂O; poorly sol. hexane

UV: [neutral] λ_{max} 226 (ε 28900); 309 (ε 22900) (MeOH) (Berdy)

>>**Derivative:** 13-*O*-[β-D-Glucopyranosyl-(1→4)-3,4-dihydroxycinnamoyl]

Synonym(s): Protoplumericin B

CAS Registry Number: 93343-68-1

Molecular Formula: C₃₆H₄₂O₂₀

Molecular Weight: 794.716

Accurate Mass: 794.22695

Percentage Composition: C 54.41%; H 5.33%; O 40.26%

Biological Source: Constit. of *Allamanda neriifolia*

Physical Description: Solid

Optical Rotation: [α]_D¹⁶ −61.2 (c, 1.41 in MeOH)

>>**Derivative:** 6β,7β-Epoxyde

Synonym(s): Plumiepoxyde

CAS Registry Number: 93343-67-0

Molecular Formula: C₂₁H₂₆O₁₃

Molecular Weight: 486.429

Accurate Mass: 486.137345

Percentage Composition: C 51.85%; H 5.39%; O 42.76%

Biological Source: Constit. of *Allamanda neriifolia*

Physical Description: Needles (EtOH)

Melting Point: Mp 224-225°

Optical Rotation: [α]_D²⁰ −129.5 (c, 0.28 in MeOH)

>>**Derivative:** 8-Epimer

Synonym(s): 8-Isoplumieride

Molecular Formula: C₂₁H₂₆O₁₂

Molecular Weight: 470.429

Accurate Mass: 470.14243

Percentage Composition: C 53.62%; H 5.57%; O 40.81%

Biological Source: Constit. of *Plumeria acutifolia*

Physical Description: Cryst.

Melting Point: Mp 168-173°

Optical Rotation: [α]_D −164.8 (c, 1 in MeOH)

References: