



Molecular Formula: C₂₇H₂₈O₉
Molecular Weight: 496.513
Accurate Mass: 496.173335
Percentage Composition: C 65.31%; H 5.68%; O 29.00%
Biological Source: Constit. of the roots of *Anthriscus sylvestris*

>>Derivative: 3'-O-De-Me

Synonym(s): 3'-Demethylpodophyllotoxin

CAS Registry Number: 54747-66-9

Molecular Formula: C₂₁H₂₀O₈
Molecular Weight: 400.384
Accurate Mass: 400.11582
Percentage Composition: C 63.00%; H 5.03%; O 31.97%
Biological Source: Isol. from whole plant of *Linum album*
Physical Description: Pale yellow amorph. solid
Melting Point: Mp 85-105°

>>Derivative: 4'-O-De Me

>>Derivative: 7-Epimer

Synonym(s): Epipodophyllotoxin

CAS Registry Number: 4375-07-9

Molecular Formula: C₂₂H₂₂O₈
Molecular Weight: 414.411
Accurate Mass: 414.13147
Percentage Composition: C 63.76%; H 5.35%; O 30.89%
Source/Synthesis: Semisynthetic
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 159.4-161.2°
Optical Rotation: [α]_D²⁰ -75 (c, 1 in CHCl₃)

>>Derivative: 8-Epimer

Synonym(s): Isopicropodophyllin

CAS Registry Number: 60660-50-6

Molecular Formula: C₂₂H₂₂O₈
Molecular Weight: 414.411
Accurate Mass: 414.13147
Percentage Composition: C 63.76%; H 5.35%; O 30.89%
Source/Synthesis: Synthetic, obt. for the first time in 1989 as racemate

>>Derivative: 8'-Epimer

Synonym(s): Picropodophyllin. Picropodophyllotoxin

CAS Registry Number: 477-47-4

Molecular Formula: C₂₂H₂₂O₈
Molecular Weight: 414.411
Accurate Mass: 414.13147
Percentage Composition: C 63.76%; H 5.35%; O 30.89%
Biological Source: Isol. from *Podophyllum emodi*, *Diphylleia grayi* and others
Physical Description: Needles (MeOH or C₆H₆)
Melting Point: Mp 226-227°
Optical Rotation: [α]_D +5.3 (CHCl₃)
UV: [neutral] $\lambda_{\max}$ 205 (ϵ 60200); 240 (ϵ 9590); 290 (ϵ 5130) (MeOH) (Berdy)