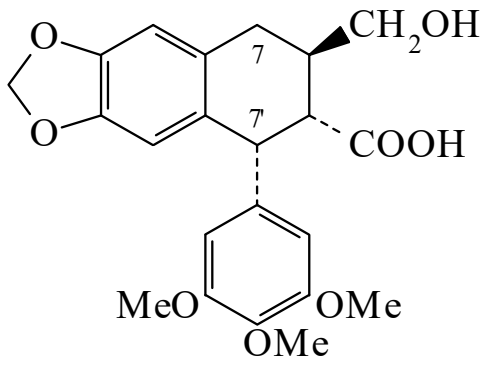
>>**Entry Name: Deoxypodophyllic acid**



CAS Registry Number: 38943-33-8

Molecular Formula: $C_{22}H_{24}O_8$
Molecular Weight: 416.427
Accurate Mass: 416.14712
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
General Statement: Lignan numbering shown
Biological Source: Isol. from *Thujopsis dolabrata*
Biological Use/Importance: Antineoplastic agent
Physical Description: Cryst. (MeOH)
Melting Point: Mp 171-172°
Optical Rotation: $[\alpha]_D^{24}$–158.5 (Py)
Calculated Log P Data: Log P 0.5 (calc)

>>**Derivative:** Me ester
Synonym(s): Methyl deoxypodophyllotoxinate

CAS Registry Number: 1643-12-5

Molecular Formula: $C_{23}H_{26}O_8$
Molecular Weight: 430.454
Accurate Mass: 430.16277
Percentage Composition: C 64.18%; H 6.09%; O 29.73%
Biological Source: Cooccurs with the parent acid in *Juniperus thurifera*
Physical Description: Oil
Optical Rotation: $[\alpha]_D^{23}$–72.5 (c, 0.1 in EtOH)
UV: [neutral] λ_{max} 215 (ε 20215); 289 (ε 3750) (MeOH) (Berdy)

>>**Derivative:** β-D-Glucopyranosyl ester

Molecular Formula: $C_{28}H_{34}O_{13}$
Molecular Weight: 578.569
Accurate Mass: 578.199945
Percentage Composition: C 58.13%; H 5.92%; O 35.95%
Biological Source: Isol. from roots of *Podophyllum peltatum* and *Podophyllum emodi*
Physical Description: Powder (Me_2CO/Et_2O)
Melting Point: Mp 123-128°
Optical Rotation: $[\alpha]_D^{22}$–151.5 (c, 0.575 in MeOH)

>>**Derivative:** Lactone
Synonym(s): Deoxypodophyllotoxin. Hernandion. Anthricin. Silicicolin. Desoxypodophyllotoxin

CAS Registry Number: 19186-35-7

Molecular Formula: $C_{22}H_{22}O_7$
Molecular Weight: 398.412
Accurate Mass: 398.136555
Percentage Composition: C 66.32%; H 5.57%; O 28.11%
Biological Source: Isol. from *Bursera microphylla*, *Libocedrus bidwillii*, *Anthriscus sylvestris*, *Hernandia ovigera*, *Juniperus silicicola*, *Podophyllum* spp. and others
Biological Use/Importance: Cytotoxic agent, antineoplastic agent
Physical Description: Cryst. (EtOH)
Melting Point: Mp 170-171°