



Molecular Weight: 608.727
Accurate Mass: 608.298535
Percentage Composition: C 69.06%; H 7.29%; O 23.66%
Biological Source: Constit. of *Taxus cuspidata*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D^{26} +5.6$ (c, 0.12 in CHCl₃)
UV: [neutral] $\lambda_{\max}$ 206 (log ϵ 4.02); 218 (log ϵ 4.05); 279 (log ϵ 3.98) (MeOH)

>> **Derivative:** 5-Cinnamoyl, 9,10,13-tri-Ac

Molecular Formula: C₃₅H₄₄O₉
Molecular Weight: 608.727
Accurate Mass: 608.298535
Percentage Composition: C 69.06%; H 7.29%; O 23.66%
Biological Source: Constit. of *Taxus mairei*
Physical Description: Yellow gum
Optical Rotation: $[\alpha]_D^{25} +20$ (c, 0.5 in CHCl₃)

>> **Derivative:** 5-Cinnamoyl, 7,9,10,13-tetra-Ac
Synonym(s): Taxinine E. 2-Deacetyltaxinine J

CAS Registry Number: 119347-14-7

Molecular Formula: C₃₇H₄₆O₁₀
Molecular Weight: 650.764
Accurate Mass: 650.3091
Percentage Composition: C 68.29%; H 7.12%; O 24.59%
Biological Source: Constit. of *Taxus brevifolia* and *Taxus mairei*
Physical Description: Cryst.
Melting Point: Mp 171-172°. Mp 231-232°
Optical Rotation: $[\alpha]_D +50$ (EtOAc). $[\alpha]_D +225$ (CHCl₃)
UV: [neutral] $\lambda_{\max}$ 217 (ϵ 20000); 279 (ϵ 22900) (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 212 (ϵ 15850); 224 (ϵ 17000) (MeOH) (Berdy)
Other Data: Struct. of Taxinine E revised in 1998. There is however a large difference in props. from the other isolates assigned the same struct.

>> **Derivative:** 5-(3-Methylamino-3-phenylpropanoyl), 7,9,10,13-tetra-Ac

CAS Registry Number: 256942-46-8

Molecular Formula: C₃₈H₅₁NO₁₀
Molecular Weight: 681.822
Accurate Mass: 681.351299
Percentage Composition: C 66.94%; H 7.54%; N 2.05%; O 23.47%
Biological Source: Constit. of *Taxus chinensis* var. *mairei*
Physical Description: Gum
Optical Rotation: $[\alpha]_D^{25} +10.3$ (c, 0.005 in CHCl₃)

>> **Derivative:** 5-(3-Dimethylamino-3-phenylpropanoyl), 7,9,10,13-tetra-Ac
Synonym(s): 2'-Deacetoxyaustrospicatine

CAS Registry Number: 119777-80-9

Molecular Formula: C₃₉H₅₃NO₁₀
Molecular Weight: 695.848
Accurate Mass: 695.366949
Percentage Composition: C 67.32%; H 7.68%; N 2.01%; O 22.99%
Biological Source: From the leaves of *Austrotaxus spicata* and *Taxus wallichiana* (Taxaceae)
Physical Description: Amorph.
Optical Rotation: $[\alpha]_D +71$ (c, 0.85 in CH₂Cl₂). $[\alpha]_D +117$ (c, 1 in CH₂Cl₂)