



**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 CHCl<sub>3</sub>)  
**UV:** [neutral]  $\lambda_{\max}$  206 (log  $\epsilon$  4.02); 218 (log  $\epsilon$  4.05); 279 (log  $\epsilon$  3.98) (MeOH)

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

**Molecular Formula:** C<sub>35</sub>H<sub>44</sub>O<sub>9</sub>  
**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 CHCl<sub>3</sub>)

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

**CAS Registry Number:** 119347-14-7

**Molecular Formula:** C<sub>37</sub>H<sub>46</sub>O<sub>10</sub>  
**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).  $[\alpha]_D +225$  (CHCl<sub>3</sub>)  
**UV:** [neutral]  $\lambda_{\max}$  217 ( $\epsilon$  20000); 279 ( $\epsilon$  22900) (MeOH) (Berdy) [neutral]  $\lambda_{\max}$  212 ( $\epsilon$  15850); 224 ( $\epsilon$  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:** C<sub>38</sub>H<sub>51</sub>NO<sub>10</sub>  
**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 CHCl<sub>3</sub>)

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

**CAS Registry Number:** 119777-80-9

**Molecular Formula:** C<sub>39</sub>H<sub>53</sub>NO<sub>10</sub>  
**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 CH<sub>2</sub>Cl<sub>2</sub>).  $[\alpha]_D +117$  (c, 1 in CH<sub>2</sub>Cl<sub>2</sub>)