



Physical Description: Cryst.

Melting Point: Mp 245-248°

>>**Derivative:** 13-Ketone, 5-cinnamoyl(*E*-), 2,7,9,10-tetra-Ac

Synonym(s): Taxinine B

CAS Registry Number: 18457-44-8

Molecular Formula: C₃₇H₄₄O₁₁

Molecular Weight: 664.748

Accurate Mass: 664.288365

Percentage Composition: C 66.85%; H 6.67%; O 26.48%

Biological Source: Constit. of *Taxus cuspidata*

Physical Description: Cryst.

Melting Point: Mp 265-266°

Optical Rotation: [α]_D +93.8 (CHCl₃)

>>**Derivative:** 4 β ,20-Epoxyde, 2,7,9,10,13-penta-Ac

Synonym(s): 2 α ,7 β ,9 α ,10 β ,13 α -Pentaacetoxo-4 β ,20-epoxy-11-taxen-5 α -ol. **5-Deacetylbaaccatin I**

CAS Registry Number: 30244-36-1

Molecular Formula: C₃₀H₄₂O₁₂

Molecular Weight: 594.655

Accurate Mass: 594.26763

Percentage Composition: C 60.59%; H 7.12%; O 32.29%

Biological Source: Constit. of *Taxus baccata*

Physical Description: Cryst.

Melting Point: Mp 256-258°

>>**Derivative:** 4 β ,20-Epoxyde, hexa-Ac

Synonym(s): 2 α ,5 α ,7 β ,9 α ,10 β ,13 α -Hexaacetoxo-4 β ,20-epoxy-11-taxene. **Baccatin I**

CAS Registry Number: 30244-35-0

Molecular Formula: C₃₂H₄₄O₁₃

Molecular Weight: 636.692

Accurate Mass: 636.278195

Percentage Composition: C 60.37%; H 6.97%; O 32.67%

Biological Source: Isol. from *Taxus baccata*

Physical Description: Cryst.

Melting Point: Mp 298°

Optical Rotation: [α]_D +86

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 6900) (MeOH) (Derep)

References:

- Woods, M.C. *et al.*, *J.A.C.S.*, 1968, **90**, 522, (*isol*)
De Marciano, D.P.D.C. *et al.*, *Chem. Comm.*, 1969, 1282; 1970, 1381, (*isol, struct*)
Kingston, D.G.I. *et al.*, *J. Nat. Prod.*, 1982, **45**, 466, (*isol, pmr*)
Ettouati, L. *et al.*, *Bull. Soc. Chim. Fr.*, 1988, 749; 1989, 687, (*isol, pmr, cmr, struct, 7,9,10-tri-Ac*)
Tong, X. *et al.*, *Chin. Chem. Lett.*, 1993, **4**, 887-890, (*10-Deacetyltaxinine B*)
Chen, W.M. *et al.*, *Acta Pharm. Sin.*, 1994, **29**, 207, (*isol, pmr, cmr*)
Kobayashi, J. *et al.*, *Tetrahedron*, 1995, **51**, 5971, (*Taxuspine F*)
Wang, X. *et al.*, *J. Nat. Prod.*, 1998, **61**, 474-479, (*Taxezipidines*)
Morita, H. *et al.*, *Planta Med.*, 1998, **64**, 183-186, (*Taxuspinanane G*)
Zamir, L.O. *et al.*, *J. Nat. Prod.*, 1999, **62**, 1268-1273, (*2,10,13-tri-Ac*)