



Physical Description: Powder

Optical Rotation: $[\alpha]_D^{25} +28.6$ (c, 0.07 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 227 (ϵ 17000); 273 (ϵ 1500) (MeOH)

>>**Derivative:** 2-Benzoyl, 4,10,13-tri-Ac

Synonym(s): 9-Dihydro-13-acetylbaccatin III

Biological Source: Constit. of *Taxus canadensis*

Optical Rotation: $[\alpha]_D^{22} -24.1$ (c, 1.01 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 228 (ϵ 19200) (MeOH) (Berdy)

>>**Derivative:** 2-Benzoyl, 4,7,9,13-tetra-Ac

Synonym(s): 10-Deacetylbaccatin VI

Molecular Formula: $\text{C}_{35}\text{H}_{44}\text{O}_{13}$

Molecular Weight: 672.725

Accurate Mass: 672.278195

Percentage Composition: C 62.49%; H 6.59%; O 30.92%

Biological Source: Constit. of *Taxus yunnanensis*

>>**Derivative:** 2-Benzoyl, 4,7,10,13-tetra-Ac

Synonym(s): 9-Deacetylbaccatin VI

Molecular Formula: $\text{C}_{35}\text{H}_{44}\text{O}_{13}$

Molecular Weight: 672.725

Accurate Mass: 672.278195

Percentage Composition: C 62.49%; H 6.59%; O 30.92%

Source/Synthesis: Constit. of *Taxus yunnanensis*

>>**Derivative:** 2-Benzoyl, 4,7,9,10,13-penta-Ac

Synonym(s): Baccatin VI

CAS Registry Number: 57672-79-4

Molecular Formula: $\text{C}_{37}\text{H}_{46}\text{O}_{14}$

Molecular Weight: 714.762

Accurate Mass: 714.28876

Percentage Composition: C 62.18%; H 6.49%; O 31.34%

Biological Source: Constit. of *Taxus baccata* and *Taxus mairei*

Physical Description: Cryst.

Melting Point: Mp 248-250°

Optical Rotation: $[\alpha]_D -5$ (CHCl_3)

>>**Derivative:** 2-Benzoyl, 10-(hydroxyacetyl), 4,7,9,13-tetra-Ac

Synonym(s): 10-Hydroxyacetylbaccatin VI

Molecular Formula: $\text{C}_{37}\text{H}_{46}\text{O}_{15}$

Molecular Weight: 730.761

Accurate Mass: 730.283675

Percentage Composition: C 60.81%; H 6.34%; O 32.84%

Biological Source: Constit. of *Taxus canadensis*

>>**Derivative:** 13-(3-Dimethylamino-3-phenylpropanoyl)(*R*-), 10-benzoyl, 2,4,7,9-tetra-Ac

Synonym(s): Taxuspine N

CAS Registry Number: 175801-13-5

Molecular Formula: $\text{C}_{46}\text{H}_{57}\text{NO}_{14}$

Molecular Weight: 847.955

Accurate Mass: 847.377909

Percentage Composition: C 65.16%; H 6.78%; N 1.65%; O 26.42%

Biological Source: Constit. of *Taxus cuspidata*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{25} -6$ (c, 0.26 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 278 (ϵ 4900) (MeOH) (Berdy)