



Molecular Formula: C₄₅H₄₉NO₁₃

Molecular Weight: 811.881

Accurate Mass: 811.320394

Percentage Composition: C 66.57%; H 6.08%; N 1.73%; O 25.62%

Biological Source: Constit. of *Taxus wallichiana* (Taxaceae)

Physical Description: Amorph. powder

UV: [neutral] $\lambda_{\max}$ 227 (ϵ 29800); 273 (ϵ 1700) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 211 (ϵ 15500); 231 (ϵ 15500); 277 (ϵ 3160) (MeOH) (Berdy)

>>>**Derivative:** 10-De-Ac, 7-*O*- β -D-xylopyranoside

Synonym(s): 10-Deacetyl-7-xylosyltaxol

CAS Registry Number: 90332-63-1

Molecular Formula: C₅₀H₅₇NO₁₇

Molecular Weight: 943.997

Accurate Mass: 943.362654

Percentage Composition: C 63.62%; H 6.09%; N 1.48%; O 28.81%

Biological Source: Constit. of *Taxus baccata*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 246-248°

Optical Rotation: $[\alpha]_{\text{D}} -2$ (Py)

UV: [neutral] $\lambda_{\max}$ 227 (ϵ 29800); 273 (ϵ 1700) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 229 (ϵ 20700); 274 (ϵ 1400); 281 (ϵ 1100) (MeOH) (Berdy)

>>>**Derivative:** 10-De-Ac, 10-(3-hydroxybutanoyl)

Synonym(s): 10-Deacetyl-10-(3-hydroxybutyryl)taxol

CAS Registry Number: 90332-68-6

Molecular Formula: C₄₉H₅₅NO₁₅

Molecular Weight: 897.971

Accurate Mass: 897.357174

Percentage Composition: C 65.54%; H 6.17%; N 1.56%; O 26.73%

Biological Source: Constit. of *Taxus baccata*

UV: [neutral] $\lambda_{\max}$ 227 (ϵ 29800); 273 (ϵ 1700) (MeOH) (Derep)

>>>**Derivative:** 10-De-Ac, 10-ketone

Synonym(s): 10-Deacetyl-10-oxotaxol. 10-Oxotaxol

Molecular Formula: C₄₅H₄₇NO₁₃

Molecular Weight: 809.865

Accurate Mass: 809.304744

Percentage Composition: C 66.74%; H 5.85%; N 1.73%; O 25.68%

Biological Source: Alkaloid from *Taxus brevifolia*

>>>**Derivative:** 10-De-Ac, 10-ketone, 7-Ac

Synonym(s): 10-Deacetyl-10-dehydro-7-acetyltaxol A

CAS Registry Number: 171864-27-0

Molecular Formula: C₄₇H₄₉NO₁₄

Molecular Weight: 851.902

Accurate Mass: 851.315309

Percentage Composition: C 66.27%; H 5.80%; N 1.64%; O 26.29%

Biological Source: Constit. of *Taxus x media*

Physical Description: Cryst.

Melting Point: Mp 226-230°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -57$ (c, 2.8 in MeOH)

UV: [neutral] $\lambda_{\max}$ 227 (ϵ 29800); 273 (ϵ 1700) (MeOH) (Derep)