



**Molecular Formula:** C<sub>45</sub>H<sub>49</sub>NO<sub>13</sub>

**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] λ<sub>max</sub> 227 (ε 29800); 273 (ε 1700) (MeOH) (Derep) [neutral] λ<sub>max</sub> 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:** C<sub>50</sub>H<sub>57</sub>NO<sub>17</sub>

**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:** [α]<sub>D</sub> -2 (Py)

**UV:** [neutral] λ<sub>max</sub> 227 (ε 29800); 273 (ε 1700) (MeOH) (Derep) [neutral] λ<sub>max</sub> 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:** C<sub>49</sub>H<sub>55</sub>NO<sub>15</sub>

**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] λ<sub>max</sub> 227 (ε 29800); 273 (ε 1700) (MeOH) (Derep)

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

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

**Molecular Formula:** C<sub>45</sub>H<sub>47</sub>NO<sub>13</sub>

**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:** C<sub>47</sub>H<sub>49</sub>NO<sub>14</sub>

**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:** [α]<sub>D</sub><sup>25</sup> -57 (c, 2.8 in MeOH)

**UV:** [neutral] λ<sub>max</sub> 227 (ε 29800); 273 (ε 1700) (MeOH) (Derep)