



>>>Derivative: 14-(3*R*-Hydroxy-2*S*-methylbutanoyl), 2,5-di-Ac

Extra CAS Registry Numbers(s): 171864-28-1

Molecular Formula: C₂₉H₄₄O₈

Molecular Weight: 520.662

Accurate Mass: 520.30362

Percentage Composition: C 66.90%; H 8.52%; O 24.58%

Biological Source: Constit. of *Taxus x media*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{25} -41$ (c, 1.3 in CHCl₃)

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CAS Registry Number: 171864-28-1

Molecular Formula: C₂₉H₄₄O₈

Molecular Weight: 520.662

Accurate Mass: 520.30362

Percentage Composition: C 66.90%; H 8.52%; O 24.58%

Biological Source: Constit. of *Taxus yunnanensis*

Melting Point: Mp 227-229°

Optical Rotation: $[\alpha]_D^{15} +25.1$ (c, 0.053 in MeOH)

Other Data: Stereochem. of side-chain undetermined. Appears to be different from the *T. media* isolate above although assigned same CAS no.

>>>Derivative: 14-(3-Hydroxy-2-methylbutanoyl), 2,5,10-tri-Ac

Synonym(s): Yunnanxane

CAS Registry Number: 139713-81-8

Molecular Formula: C₃₁H₄₆O₉

Molecular Weight: 562.699

Accurate Mass: 562.314185

Percentage Composition: C 66.17%; H 8.24%; O 25.59%

Biological Source: Constit. of *Taxus chinensis* var. *mairei*

Physical Description: Cryst.

Melting Point: Mp 161°

Optical Rotation: $[\alpha]_D +40.38$ (c, 0.104 in MeOH)

UV: [neutral] $\lambda_{\max}$ 210 (ϵ 6700) (MeOH) (Berdy)

>>>Derivative: 10-Me ether, 14-(2-methylbutanoyl), 2,5-di-Ac

CAS Registry Number: 157768-94-0

Molecular Formula: C₃₀H₄₆O₇

Molecular Weight: 518.689

Accurate Mass: 518.324355

Percentage Composition: C 69.47%; H 8.94%; O 21.59%

Biological Source: Constit. of *Taxus baccata*

References:

- Chen, W. *et al.*, *Yaoxue Xuebao*, 1991, **26**, 747-754, (*Yunnanxane*)
Ma, W. *et al.*, *J. Nat. Prod.*, 1994, **57**, 1320-1324, (*isol, pmr, cmr*)
Topcu, G. *et al.*, *Nat. Prod. Lett.*, 1994, **4**, 93-100, (*10-Me ether deriv, isol, pmr, cmr, struct*)
Zhang, H. *et al.*, *J. Nat. Prod.*, 1995, **58**, 1153-1159, (*Taxuyunnanines*)
Gabetta, B. *et al.*, *Phytochemistry*, 1995, **40**, 1825-1828, (*3-hydroxy-2-methylbutanoyl-2,5-di-Ac*)
Cheng, K. *et al.*, *Phytochemistry*, 1996, **42**, 73-75, (*Taxus yunnanensis constits*)
Menhard, B. *et al.*, *Phytochemistry*, 1998, **49**, 113-125, (*pmr, cmr*)