



>>>Derivative: 1-(3-Methylbutanoyl), 3-Ac, Me ester

Synonym(s): Salannol acetate

CAS Registry Number: 120462-58-0

Molecular Formula: C₃₄H₄₆O₉

Molecular Weight: 598.732

Accurate Mass: 598.314185

Percentage Composition: C 68.21%; H 7.74%; O 24.05%

Physical Description: Gum

Optical Rotation: [α]_D +118 (CHCl₃)

>>>Derivative: 1-(3-Methyl-2-butenoyl), Me ester

Synonym(s): 2',3'-Dehydrosalannol

CAS Registry Number: 97411-50-2

Molecular Formula: C₃₂H₄₂O₈

Molecular Weight: 554.679

Accurate Mass: 554.28797

Percentage Composition: C 69.29%; H 7.63%; O 23.08%

Biological Source: Constit. of *Azadirachta indica*

Physical Description: Fine needles (MeOH/Et₂O)

Melting Point: Mp 183-185°

Optical Rotation: [α]_D +180

>>>Derivative: 3-Deoxy, Me ester

Synonym(s): 3-Deoxymethylnimbidate. Methyl 3-deoxynimbidate

CAS Registry Number: 209912-14-1

Molecular Formula: C₂₇H₃₆O₆

Molecular Weight: 456.578

Accurate Mass: 456.25119

Percentage Composition: C 71.03%; H 7.95%; O 21.03%

Biological Source: Constit. of *Azadirachta excelsa*

Physical Description: Gum

Optical Rotation: [α]_D²⁵ -9.2 (c, 0.2 in CHCl₃)

References:

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Kraus, W. *et al.*, *Annalen*, 1981, 181-189, (*Salannol, 3-Deacetylsalannin*)
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Garg, H. *et al.*, *Phytochemistry*, 1985, **24**, 866-867, (*Dehydrosalannol*)
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Kraus, W. *et al.*, *The Neem Tree*, (ed. Schmutterer, H.), VCH, 1995, 36, (*rev*)