



>>Derivative: Ac

Synonym(s): Isoarborinyl acetate

CAS Registry Number: 5595-78-8

Molecular Formula: C₃₂H₅₂O₂

Molecular Weight: 468.762

Accurate Mass: 468.39673

Percentage Composition: C 81.99%; H 11.18%; O 6.83%

Biological Source: Constit. of *Quercus championi* and *Hedyotis acutangula*

Physical Description: Cryst. (hexane or C₆H₆/petrol)

Melting Point: Mp 296-298°

Optical Rotation: [α]_D +56 (c, 9.81 in CHCl₃)

>>Derivative: Me ether

Synonym(s): 3 β -Methoxy-9(11)-arborinene. **Cylindrin**

CAS Registry Number: 17904-55-1

Molecular Formula: C₃₁H₅₂O

Molecular Weight: 440.751

Accurate Mass: 440.401815

Percentage Composition: C 84.48%; H 11.89%; O 3.63%

Biological Source: Constit. of *Imperata cylindrica*

Physical Description: Cryst.

Melting Point: Mp 269-270°

Optical Rotation: [α]_D +60 (CHCl₃)

>>Variant: (3 β ,21 β H)-form

Synonym(s): Sorghumol

CAS Registry Number: 90582-44-8

Molecular Formula: C₃₀H₅₀O

Molecular Weight: 426.724

Percentage Composition: C 84.44%; H 11.81%; O 3.75%

Biological Source: Constit. of *Sorghum bicolor*

Physical Description: Cryst.

Melting Point: Mp 277-282°

>>Derivative: Ac

Molecular Formula: C₃₂H₅₂O₂

Molecular Weight: 468.762

Accurate Mass: 468.39673

Percentage Composition: C 81.99%; H 11.18%; O 6.83%

Biological Source: Isol. from *Pluchea lanceolata*

Optical Rotation: [α]_D²⁶ +44 (c, 0.005 in CHCl₃)

References:

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