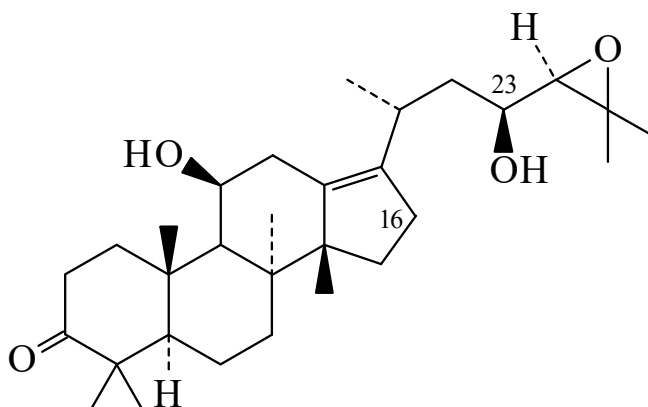




>>Entry Name: Alisol B

Synonym(s): 24*R*,25-Epoxy-11 β ,23*S*-dihydroxyprotost-13(17)-en-3-one



CAS Registry Number: 18649-93-9

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Constit. of rhizomes of *Alisma plantago-aquatica*

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 166-168°

Optical Rotation: [α]_D +130 (CHCl₃)

>>Derivative: 23-Ac

CAS Registry Number: 26575-95-1

Molecular Formula: C₃₂H₅₀O₅

Molecular Weight: 514.744

Accurate Mass: 514.365825

Percentage Composition: C 74.67%; H 9.79%; O 15.54%

Biological Source: Constit. of *Alisma plantago-aquatica*

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 162-163°

Optical Rotation: [α]_D +121 (CHCl₃)

>>Derivative: 16 β -Hydroxy, 23-Ac

Synonym(s): 16 β -Hydroxyalisol B monoacetate

CAS Registry Number: 115346-25-3

Molecular Formula: C₃₂H₅₀O₆

Molecular Weight: 530.743

Accurate Mass: 530.36074

Percentage Composition: C 72.42%; H 9.50%; O 18.09%

Biological Source: Constit. of *Alisma plantago-aquatica*

Physical Description: Needles (CH₂Cl₂/MeOH)

Melting Point: Mp 196.5-198°

Optical Rotation: [α]_D²⁵ +11 (c, 0.32 in CHCl₃)

>>Derivative: 23-Ac, 16 β -methoxy

Synonym(s): 16 β -Methoxyalisol B monoacetate

CAS Registry Number: 115333-90-9

Molecular Formula: C₃₃H₅₂O₆

Molecular Weight: 544.77

Accurate Mass: 544.37639

Percentage Composition: C 72.76%; H 9.62%; O 17.62%

Biological Source: Constit. of *Alisma plantago-aquatica*

Physical Description: Prisms (CH₂Cl₂/MeOH)

Melting Point: Mp 164-166°

Optical Rotation: [α]_D²⁵ +89.4 (c, 0.92 in CHCl₃)