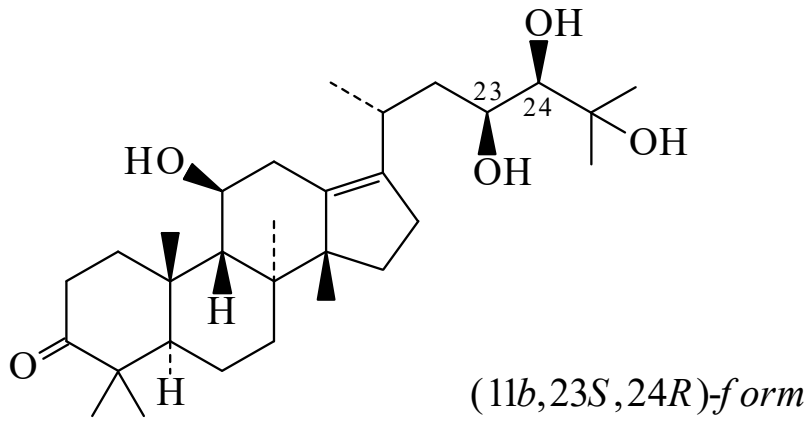
>>**Entry Name: 11,23,24,25-Tetrahydroxyprotost-13(17)-en-3-one**



(11*b*,23*S*,24*R*)-*form*

Molecular Formula: $C_{30}H_{50}O_5$
Molecular Weight: 490.722
Accurate Mass: 490.365825
Percentage Composition: C 73.43%; H 10.27%; O 16.30%

>>**Variant:** (11β,23*S*,24*R*)-form
Synonym(s): Alisol A
CAS Registry Number: 19885-10-0

Molecular Formula: $C_{30}H_{50}O_5$
Molecular Weight: 490.722
Accurate Mass: 490.365825
Percentage Composition: C 73.43%; H 10.27%; O 16.30%
Biological Source: Constit. of rhizomes of *Alisma plantago-aquatica* and *Alisma orientale*
Physical Description: Amorph.
Optical Rotation: $[\alpha]_D$ +99 ($CHCl_3$)

>>**Derivative:** 24-Ac

CAS Registry Number: 18674-16-3

Molecular Formula: $C_{32}H_{52}O_6$
Molecular Weight: 532.759
Accurate Mass: 532.37639
Percentage Composition: C 72.14%; H 9.84%; O 18.02%
Biological Source: Constit. of *Alisma plantago-aquatica*
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 194-196°
Optical Rotation: $[\alpha]_D$ +86 ($CHCl_3$)

>>**Derivative:** 25-Me ether
Synonym(s): 25-*O*-Methylalisol A

Molecular Formula: $C_{31}H_{52}O_5$
Molecular Weight: 504.749
Accurate Mass: 504.381475
Percentage Composition: C 73.77%; H 10.38%; O 15.85%
Biological Source: Constit. of *Alisma orientale*
Physical Description: Amorph. powder

>>**Derivative:** 13β,17β-Epoxide
Synonym(s): 13β,17β-Epoxy-11β,23*S*,24*R*,25-tetrahydroxyprotostane-3-one. **13,17-Epoxyalisol A**

Molecular Formula: $C_{30}H_{50}O_6$
Molecular Weight: 506.721
Accurate Mass: 506.36074
Percentage Composition: C 71.11%; H 9.95%; O 18.94%
Biological Source: Constit. of *Alisma orientale*
Physical Description: Plates. (Isopropyl ether/hexane)
Melting Point: Mp 138.5-140°
Optical Rotation: [α]