



Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of club moss *Lycopodium serratum* and the bark of the sugar pine

Physical Description: Cryst. (EtOH)

Melting Point: Mp 303-308° (274-277°)

Optical Rotation: $[\alpha]_D^{23} -19$ (c, 1.29 in CHCl₃)

>>Derivative: 3-Ac

Synonym(s): Phlegmanol C

CAS Registry Number: 1260-05-5

Molecular Formula: C₃₂H₅₂O₃

Molecular Weight: 484.761

Accurate Mass: 484.391645

Percentage Composition: C 79.29%; H 10.81%; O 9.90%

Biological Source: Constit. of *Lycopodium phlegmaria* and *Lycopodium megastachyum*

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 336-338°

Optical Rotation: $[\alpha]_D^{15} -20$ (c, 0.5 in CHCl₃)

>>Derivative: 3-O-α-L-Arabinopyranoside

Synonym(s): Inundoside E

CAS Registry Number: 80244-83-3

Molecular Formula: C₃₅H₅₈O₆

Molecular Weight: 574.84

Accurate Mass: 574.42334

Percentage Composition: C 73.13%; H 10.17%; O 16.70%

Biological Source: Constit. of *Lycopodium inundatum*

Physical Description: Needles (CHCl₃/MeOH)

Melting Point: Mp 300°

>>Derivative: 3-O-[4-Hydroxycinnamoyl-(→4)-α-L-arabinopyranoside]

Synonym(s): Inundoside F

CAS Registry Number: 80235-52-5

Molecular Formula: C₄₄H₆₄O₈

Molecular Weight: 720.985

Accurate Mass: 720.46012

Percentage Composition: C 73.30%; H 8.95%; O 17.75%

Biological Source: Constit. of *Lycopodium inundatum*

Physical Description: Needles (CHCl₃/MeOH)

Melting Point: Mp 300°

>>Derivative: 3-Me ether

Synonym(s): 3β-Methoxy-14-serraten-21β-ol

CAS Registry Number: 19902-59-1

Molecular Formula: C₃₁H₅₂O₂

Molecular Weight: 456.751

Accurate Mass: 456.39673

Percentage Composition: C 81.52%; H 11.47%; O 7.01%

Biological Source: Constit. of the bark of *Picea sitchensis*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 307-308°

Optical Rotation: $[\alpha]_D +3$ (CHCl₃)