



CAS Registry Number: 1909-91-7

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Source: Constit. of *Araucaria cunninghami* and *Cryptomeria japonica*

Physical Description: Cryst.

Melting Point: Mp 117-119°

Optical Rotation: [α]_D²⁵ +42 (c, 2.5 in CHCl₃)

>>Derivative: 19-Carboxylic acid, 15-Ac

Synonym(s): 15-Acetylisocupressic acid

Molecular Formula: C₂₂H₃₄O₄

Molecular Weight: 362.508

Accurate Mass: 362.24571

Percentage Composition: C 72.89%; H 9.45%; O 17.65%

Biological Source: Constit. of *Cryptomeria japonica*

Physical Description: Oil

Optical Rotation: [α]_D³² +34 (c, 1.5 in CHCl₃)

>>Derivative: 19-Carboxylic acid, 15- β -D-glucopyranoside, 19- β -D-glucopyranosyl ester

Synonym(s): Gomojoside A

CAS Registry Number: 142631-79-6

Molecular Formula: C₃₂H₅₂O₁₃

Molecular Weight: 644.755

Accurate Mass: 644.340795

Percentage Composition: C 59.61%; H 8.13%; O 32.26%

Biological Source: Constit. of *Viburnum suspensum*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 135-137°

Optical Rotation: [α]_D -45.8 (c, 0.24 in MeOH)

>>Derivative: 15-Carboxylic acid, 19-aldehyde

Synonym(s): 19-Oxo-8(17),13*E*-labdadien-15-oic acid. Agathalic acid

CAS Registry Number: 19605-75-5

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

Biological Source: Constit. of *Agathis* spp.

Physical Description: Gum

Optical Rotation: [α]_D +24.5 (EtOH)

>>Derivative: 19-Carboxylic acid, 15-aldehyde

Synonym(s): 15-Oxo-8(17),13-labdadien-19-oic acid

CAS Registry Number: 139975-13-6

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

Biological Source: Constit. of *Cryptomeria japonica*

Physical Description: Oily solid

Optical Rotation: [α]_D²⁸ +47.5 (c, 0.8 in MeOH)

>>Derivative: 15,19-Dioic acid

>>Variant: (13*Z*)-form