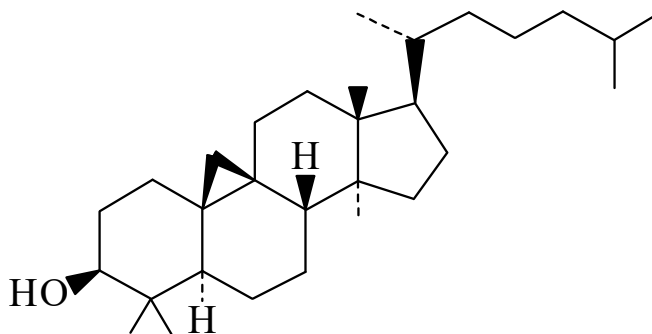




>>Entry Name: Cycloartanol

ENTRY UNDER REVIEW

Synonym(s): 9 β ,19-Cyclolanostan-3 β -ol. Cycloartan-3 β -ol



CAS Registry Number: 4657-58-3

Molecular Formula: C₃₀H₅₂O

Molecular Weight: 428.74

Accurate Mass: 428.401815

Percentage Composition: C 84.04%; H 12.22%; O 3.73%

Biological Source: Minor constit. of rice bran oil and of the rhizomes of *Polypodium vulgare*

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 101-102°

Optical Rotation: [α]_D +45 (c, 3.59 in CHCl₃)

Calculated Log P Data: Log P 10.8 (uncertain value) (calc)

>>Derivative: Ac

CAS Registry Number: 4575-74-0

Molecular Formula: C₃₂H₅₄O₂

Molecular Weight: 470.777

Accurate Mass: 470.41238

Percentage Composition: C 81.64%; H 11.56%; O 6.80%

Biological Source: Isol. from ferns *Polypodium* spp.

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 132-133°

Optical Rotation: [α]_D +57 (c, 5.31 in CHCl₃)

>>Derivative: 3-(2-Methylbutanoyl)(R-)

CAS Registry Number: 207606-42-6

Molecular Formula: C₃₅H₆₀O₂

Molecular Weight: 512.858

Accurate Mass: 512.45933

Percentage Composition: C 81.97%; H 11.79%; O 6.24%

Biological Source: Constit. of *Espeletia argentea* and *Espeletia barclayana*

Physical Description: Cryst.

Melting Point: Mp 123-124°

Optical Rotation: [α]_D²⁰ +67 (CHCl₃)

>>Derivative: 3-(4-Hydroxy-3-methoxycinnamoyl)

Synonym(s): Cycloartanyl ferulate

CAS Registry Number: 20972-10-5

Molecular Formula: C₄₀H₆₀O₄

Molecular Weight: 604.912

Accurate Mass: 604.44916

Percentage Composition: C 79.42%; H 10.00%; O 10.58%

Biological Source: Constit. of rice bran oil. Component of Mi Pi Kang