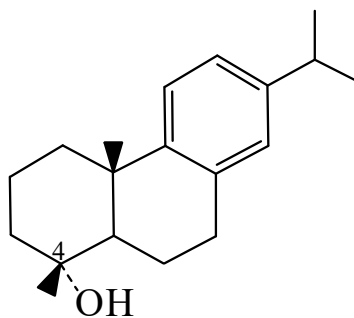




>>Entry Name: 18-Nor-8,11,13-abietatrien-4-ol



CAS Registry Number: 22478-65-5

Molecular Formula: C₁₉H₂₈O

Molecular Weight: 272.43

Accurate Mass: 272.214015

Percentage Composition: C 83.77%; H 10.36%; O 5.87%

Biological Source: Constit. of *Pinus banksiana* and *Juniperus chinensis*

Physical Description: Cryst. (petrol at -70°)

Melting Point: Mp 89-91°

Optical Rotation: [α]_D +45 (c, 2 in CHCl₃)

>>Derivative: 4-Epimer

Synonym(s): 19-Nor-8,11,13-abietatrien-4-ol

CAS Registry Number: 33980-70-0

Biological Source: From *Pinus banksiana* and *Juniperus chinensis*

Physical Description: Cryst. (petrol at -70°)

Melting Point: Mp 65-67°

Optical Rotation: [α]_D +50 (c, 2 in CHCl₃)

>>Derivative: 4-Epimer, formyl

Synonym(s): 19-Nor-8,11,13-abietatrienyl formate

CAS Registry Number: 166528-81-0

Molecular Formula: C₂₀H₂₈O₂

Molecular Weight: 300.44

Accurate Mass: 300.20893

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Biological Source: Constit. of *Juniperus chinensis*

Physical Description: Oil

Optical Rotation: [α]_D²⁵ +51 (c, 0.07 in CHCl₃)

>>Derivative: 4-Hydroperoxide

Synonym(s): 4-Hydroperoxy-18-nor-8,11,13-abietatriene

CAS Registry Number: 41515-39-3

Molecular Formula: C₁₉H₂₈O₂

Molecular Weight: 288.429

Accurate Mass: 288.20893

Percentage Composition: C 79.12%; H 9.78%; O 11.09%

Biological Source: Constit. of *Juniperus chinensis*

Physical Description: Oil

Optical Rotation: [α]_D²⁵ +34.3 (c, 0.2 in CHCl₃)

>>Derivative: 4-Epimer, 4-hydroperoxide

Synonym(s): 4-Hydroperoxy-19-nor-8,11,13-abietatriene

CAS Registry Number: 41515-37-1

Molecular Formula: C₁₉H₂₈O₂

Molecular Weight: 288.429

Accurate Mass: 288.20893

Percentage Composition: C 79.12%; H 9.78%; O 11.09%

Biological Source: Constit. of *Juniperus chinensis*

Physical Description: Oil

Optical Rotation: [α]