



>>Derivative: 19-Carboxylic acid

Synonym(s): *ent*-16-Kauren-19-oic acid. **Kaurenoic acid**. Cunabic acid

CAS Registry Number: 6730-83-2

Molecular Formula: C₂₀H₃₀O₂

Molecular Weight: 302.456

Accurate Mass: 302.22458

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

Biological Source: Isol. from *Ricinocarpus stylosus* and many other plants

Physical Description: Cryst. (MeOH)

Melting Point: Mp 179-181°

Optical Rotation: [α]_D -110 (c, 3 in CHCl₃)

>>Derivative: 19-Carboxylic acid, Me ester

CAS Registry Number: 41473-15-8

Molecular Formula: C₂₁H₃₂O₂

Molecular Weight: 316.483

Accurate Mass: 316.24023

Percentage Composition: C 79.70%; H 10.19%; O 10.11%

Biological Source: Isol. from *Helianthus annuus*, *Othonna cylindrica* and others

Physical Description: Cryst. (MeOH)

Melting Point: Mp 88-89°

Optical Rotation: [α]_D -107 (c, 3.2 in CHCl₃)

>>Derivative: 19-Carboxylic acid, (2-hydroxyethyl) ester

CAS Registry Number: 74284-41-6

Molecular Formula: C₂₂H₃₄O₃

Molecular Weight: 346.509

Accurate Mass: 346.250795

Percentage Composition: C 76.26%; H 9.89%; O 13.85%

Biological Source: Isol. from *Mikania sessilifolia*

Physical Description: Oil

>>Derivative: 19-Carboxylic acid, 16α,17-epoxide

Synonym(s): *ent*-16β,17-Epoxy-19-kaurenoic acid

CAS Registry Number: 80442-69-9

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

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

Biological Source: Isol. from *Mikania sessilifolia*, *Baccharis minutiflora* and *Goyazianthus tetrastichus*

Physical Description: Gum (as Me ester)

>>Derivative: 19-Carboxylic acid, 16β,17-epoxide

Synonym(s): *ent*-16α,17-Epoxy-19-kaurenoic acid

CAS Registry Number: 80482-73-1

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

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

Biological Source: Isol. from *Mikania sessilifolia*

Physical Description: Gum (as Me ester)

References: