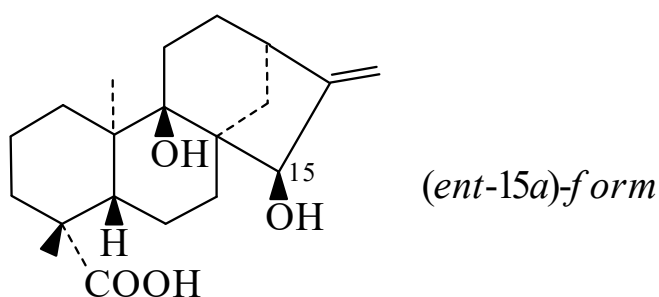




>>Entry Name: 9,15-Dihydroxy-16-kauren-19-oic acid



Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

>>Variant: (*ent*-15 α)-form

Synonym(s): Pterokaurene L₂. Pterokaurane L₂

CAS Registry Number: 77533-70-1

Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Biological Source: Constit. of *Pteris longipes*

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 240-241°

Optical Rotation: [α]_D²⁰ -78.7 (c, 0.9 in MeOH)

>>Derivative: 15-Ketone

Synonym(s): *ent*-9 α -Hydroxy-15-oxo-16-kauren-19-oic acid. Pterokaurene L₁. Pterokaurane L₁

CAS Registry Number: 77658-39-0

Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Pteris longipes*

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 218-219°

Optical Rotation: [α]_D²⁰ -109.9 (c, 1.6 in MeOH)

Other Data: These compds. seem to have been called both Pterokaurene and Pterokaurane; the latter may be a CA error

>>Derivative: 15-Ketone, β -D-glucopyranosyl ester

CAS Registry Number: 81263-96-9

Molecular Formula: C₂₆H₃₈O₉

Molecular Weight: 494.581

Accurate Mass: 494.251585

Percentage Composition: C 63.14%; H 7.74%; O 29.11%

Biological Source: Constit. of *Pteris livida*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 140-144°

Optical Rotation: [α]_D¹⁸ -77 (c, 1.2 in MeOH)

>>Variant: (*ent*-15 β)-form

Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Biological Source: Isol. from *Ichthyothere terminalis* and *Wedelia* spp.

Physical Description: Gum