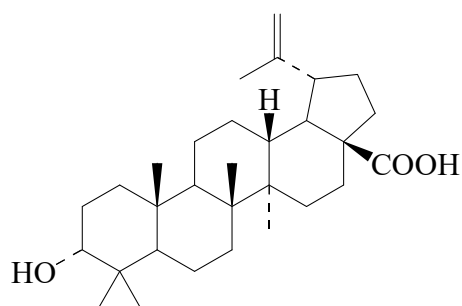




>>Entry Name: 3-Hydroxy-20(29)-lupen-28-oic acid



Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

>>Variant: 3 α -form

Synonym(s): 3-Epibetulinic acid. 3-*epi*-Betulinic acid

CAS Registry Number: 38736-77-5

Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Constit. of *Picramnia pentandra* and other plant spp.

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 279-283°

Optical Rotation: [α]_D²⁵ -11 (c, 0.2 in CHCl₃)

>>Derivative: 28-O-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranosyl] ester

CAS Registry Number: 136182-02-0

Molecular Formula: C₄₈H₇₈O₁₇

Molecular Weight: 927.134

Accurate Mass: 926.523905

Percentage Composition: C 62.18%; H 8.48%; O 29.34%

Biological Source: Constit. of *Oplopanax elatus* and *Schefflera octophylla*. Component of Ci Ren Shen

Physical Description: Powder

Melting Point: Mp 208-210° (182-184°)

Optical Rotation: [α]_D²⁰ -38.7 (c, 0.4 in MeOH)

>>Derivative: 3-O- β -D-Glucopyranoside, 28-O-[α -L-rhamnopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranosyl] ester

Synonym(s): Cirensenoside E. Cirensenoside E

CAS Registry Number: 138884-85-2

Molecular Formula: C₅₄H₈₈O₂₂

Molecular Weight: 1089.276

Accurate Mass: 1088.57673

Percentage Composition: C 59.54%; H 8.14%; O 32.31%

Biological Source: Constit. of *Oplopanax elatus*

Physical Description: Powder

Melting Point: Mp 218-220°

Optical Rotation: [α]_D²⁰ -45.9 (c, 1.2 in MeOH)