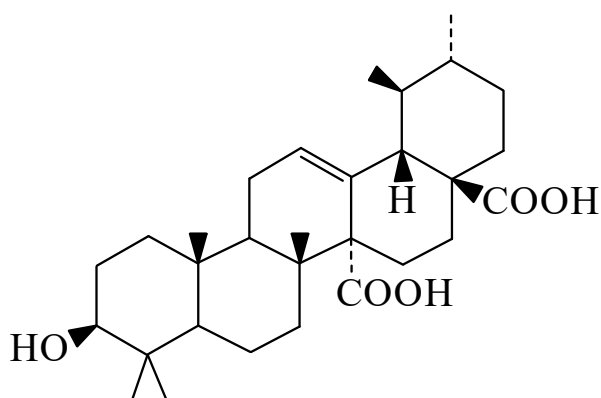




>>Entry Name: 3-Hydroxy-12-ursene-27,28-dioic acid



Related CAS Registry Numbers(s): 104055-76-7

Molecular Formula: C₃₀H₄₆O₅

Molecular Weight: 486.69

Accurate Mass: 486.334525

Percentage Composition: C 74.04%; H 9.53%; O 16.44%

>>Variant: 3β-form

Synonym(s): Quinovic acid. Quinovaic acid. Spinosic acid B. Chinovic acid

CAS Registry Number: 465-74-7

Molecular Formula: C₃₀H₄₆O₅

Molecular Weight: 486.69

Accurate Mass: 486.334525

Percentage Composition: C 74.04%; H 9.53%; O 16.44%

Biological Source: Constit. of cinchona bark (*Cinchona* sp.), *Remijia* sp., *Mitragyna* sp., *Anthocephalus cadamba*, *Adina pilulifera* and others

Biological Use/Importance: Antineoplastic agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 302-304° (298° dec.)

Optical Rotation: [α]_D²⁵+87 (EtOH)

Calculated Log P Data: Log P 6.51 (calc)

>>Derivative: 27-O-β-D-Glucopyranosyl ester

CAS Registry Number: 194027-22-0

Molecular Formula: C₃₆H₅₆O₁₀

Molecular Weight: 648.832

Accurate Mass: 648.38735

Percentage Composition: C 66.64%; H 8.70%; O 24.66%

Biological Source: Constit. of *Uncaria tomentosa*

Optical Rotation: [α]_D²⁵+55 (c, 1 in MeOH)

>>Derivative: 28-O-[β-D-Xylofuranosyl-(1→2)-α-L-rhamnopyranosyl] ester

CAS Registry Number: 145195-07-9

Molecular Formula: C₄₁H₆₄O₁₃

Molecular Weight: 764.949

Accurate Mass: 764.434695

Percentage Composition: C 64.38%; H 8.43%; O 27.19%

Biological Source: Constit. of *Zygophyllum album*

>>Derivative: 3-O-α-L-Fucopyranoside

CAS Registry Number: 79982-61-9

Molecular Formula: C₃₆H₅₆O₉

Molecular Weight: 632.833

Accurate Mass: 632.392435

Percentage Composition: C 68.33%; H 8.92%; O 22.75%

Biological Source: Isol. from rootbark of *Nauclea pobeguinii*