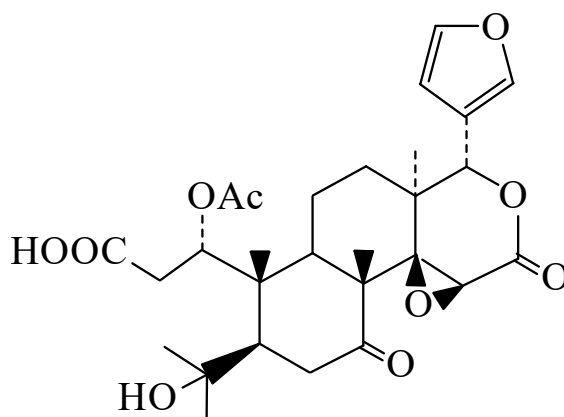




>>Entry Name: Nomilinic acid

ENTRY UNDER REVIEW

Synonym(s): 1-Acetoxy-1,2-dihydroobacunoic acid



CAS Registry Number: 35930-20-2

Molecular Formula: $C_{28}H_{36}O_{10}$

Molecular Weight: 532.586

Accurate Mass: 532.23085

Percentage Composition: C 63.15%; H 6.81%; O 30.04%

Physical Description: Noncryst.; cryst. (Et₂O/hexane) as Me ester

Melting Point: Mp 108-110° (Me ester)

>>Derivative: *O*-β-D-Glucopyranoside

CAS Registry Number: 113301-65-8

Molecular Formula: $C_{34}H_{46}O_{15}$

Molecular Weight: 694.728

Accurate Mass: 694.283675

Percentage Composition: C 58.78%; H 6.67%; O 34.54%

Biological Source: Isol. from lemons *Citrus limon*

Physical Description: Cryst.

Melting Point: Mp 250-252 dec.°

Optical Rotation: $[\alpha]_D^{20} +35.44$ (c, 0.75 in MeOH)

>>Derivative: *O*-De-Ac

Synonym(s): Deacetylnomilinic acid

CAS Registry Number: 35930-21-3

Molecular Formula: $C_{26}H_{34}O_9$

Molecular Weight: 490.549

Accurate Mass: 490.220285

Percentage Composition: C 63.66%; H 6.99%; O 29.35%

Physical Description: Noncryst.

>>Derivative: Lactone

Synonym(s): Nomilin

CAS Registry Number: 1063-77-0

Molecular Formula: $C_{28}H_{34}O_9$

Molecular Weight: 514.571

Accurate Mass: 514.220285

Percentage Composition: C 65.36%; H 6.66%; O 27.98%

Biological Source: Constit. of grapefruit (*Citrus paradisi*)

Sigma: N3395

>>Derivative: Lactone, *O*-de-Ac

Synonym(s): Deacetylnomilin. Isolimonin

CAS Registry Number: 3264-90-2