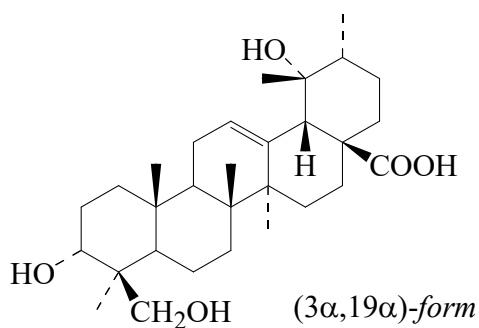




>>Entry Name: 3,19,24-Trihydroxy-12-ursen-28-oic acid



Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

>>Variant: (3 α ,19 α)-form

Synonym(s): Barbinervic acid

CAS Registry Number: 64199-78-6

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Clethra barbinervis*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 298°

Optical Rotation: [α]_D³¹+18 (c, 1 in EtOH)

>>Derivative: 3-Ketone

Synonym(s): 19,24-Dihydroxy-3-oxo-12-ursen-28-oic acid

CAS Registry Number: 348149-64-4

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 *Rhododendron simsii*

Physical Description: Cryst.

Melting Point: Mp 189.5-191°

Optical Rotation: [α]_D¹⁸+27.4 (c, 1.55 in Me₂CO)

>>Variant: (3 β ,19 α)-form

Synonym(s): Rotungenic acid

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Ilex rotunda*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 295-298 dec.°

Optical Rotation: [α]_D+16 (MeOH)

>>Derivative: 28-O- β -D-Glucopyranosyl ester

Synonym(s): Rotungenoside

CAS Registry Number: 121387-38-0

Molecular Formula: C₃₆H₅₈O₁₀

Molecular Weight: 650.848

Accurate Mass: 650.403

Percentage Composition: C 66.44%; H 8.98%; O 24.58%

Biological Source: Constit. of the fruit of *Ilex rotunda*

Physical Description: Amorph. powder

Optical Rotation: [α]