Optical Rotation: $[\alpha]_D^{30}$+23.5 (c, 0.85 in $CHCl_3$)

>>**Derivative:** 3-Ketone
Synonym(s): 29-Hydroxy-3-friedelanone

CAS Registry Number: 39903-21-4

Molecular Formula: $C_{30}H_{50}O_2$
Molecular Weight: 442.724
Accurate Mass: 442.38108
Percentage Composition: C 81.39%; H 11.38%; O 7.23%
Biological Source: Isol. from *Catha cassinoides*
Physical Description: Cryst. ($MeOH/CHCl_3$)
Melting Point: Mp 270-272°
Optical Rotation: $[\alpha]_D$ –24 (c, 0.09 in $CHCl_3$)

>>**Derivative:** 3-Ketone, 29-aldehyde
Synonym(s): 3-Oxo-29-friedelanal

CAS Registry Number: 39903-23-6

Molecular Formula: $C_{30}H_{48}O_2$
Molecular Weight: 440.708
Accurate Mass: 440.36543
Percentage Composition: C 81.76%; H 10.98%; O 7.26%
Biological Source: Isol. from *Mortonia diffusa*
Physical Description: Cryst.
Melting Point: Mp 273-275°

>>**Derivative:** 3-Ketone, 29-carboxylic acid
Synonym(s): 3-Oxo-29-friedelanoic acid. **Polpunonic acid.** Maytenonic acid. Maytenoic acid

CAS Registry Number: 33600-93-0

Molecular Formula: $C_{30}H_{48}O_3$
Molecular Weight: 456.707
Accurate Mass: 456.360345
Percentage Composition: C 78.90%; H 10.59%; O 10.51%
Biological Source: Isol. from *Plenckia polpunea* and *Maytenus senegalensis*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 275°
Optical Rotation: $[\alpha]_D^{26}$–32 (c, 0.5 in MeOH)
UV: [neutral] λ_{max} 0 (end) (ε) (MeOH) (Derep)

>>**Derivative:** 3-Ketone, 29-carboxylic acid, Me ester

CAS Registry Number: 39903-11-2
Physical Description: Cryst. (MeOH)
Melting Point: Mp 226-227°
Optical Rotation: $[\alpha]_D^{20}$–35 (c, 1 in $CHCl_3$)

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