



Optical Rotation: $[\alpha]_{\text{D}}^{20} +44$ (c, 0.2 in CHCl_3)

>>Derivative: 29→22 Lactone

Synonym(s): 3β-Hydroxy-12-oleanen-29,22α-olide. **Abruslactone A.** Regelide. Wilforlide A

CAS Registry Number: 84104-71-2

Type of Compound Code(s): VS8300

Molecular Formula: $\text{C}_{30}\text{H}_{46}\text{O}_3$

Molecular Weight: 454.692

Accurate Mass: 454.344695

Percentage Composition: C 79.25%; H 10.20%; O 10.56%

Biological Source: Isol. from *Abrus precatorius*, *Austroplenckia populnea* and *Tripterygium* spp.

Physical Description: Cryst. ($\text{CHCl}_3/\text{MeOH}$)

Melting Point: Mp 329-330°

Optical Rotation: $[\alpha]_{\text{D}} -34.2$ (c, 1 in CHCl_3)

>>Derivative: 3-Ketone

Synonym(s): 22α-Hydroxy-3-oxo-12-oleanen-29-oic acid. Triptotriterpenonic acid

Type of Compound Code(s): VS8300

Molecular Formula: $\text{C}_{30}\text{H}_{46}\text{O}_4$

Molecular Weight: 470.691

Accurate Mass: 470.33961

Percentage Composition: C 76.55%; H 9.85%; O 13.60%

Biological Source: Constit. of *Tripterygium wilfordii*

Physical Description: Prisms (MeOH)

Melting Point: Mp 289-290°. Mp 296-298°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +84.4$ (c, 1.09 in MeOH)

>>Derivative: 3-Ketone, Me ester

Synonym(s): Methyl 22-hydroxy-3-oxo-12-oleanen-29-oate. **Regelin D**

CAS Registry Number: 121880-07-7

Type of Compound Code(s): VS8300

Molecular Formula: $\text{C}_{31}\text{H}_{48}\text{O}_4$

Molecular Weight: 484.718

Accurate Mass: 484.35526

Percentage Composition: C 76.82%; H 9.98%; O 13.20%

Biological Source: Constit. of *Tripterygium regelii*

Physical Description: Needles (MeOH)

Melting Point: Mp 197-198°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +54$ (c, 0.3 in CHCl_3)

>>Derivative: 3-Ketone, 29→22 lactone

Synonym(s): 3-Oxo-12-oleanen-29,22α-olide. **Wilforlide B**

CAS Registry Number: 84104-70-1

Type of Compound Code(s): VS8300

Molecular Formula: $\text{C}_{30}\text{H}_{44}\text{O}_3$

Molecular Weight: 452.676

Accurate Mass: 452.329045

Percentage Composition: C 79.60%; H 9.80%; O 10.60%

Biological Source: Isol. from roots of *Tripterygium wilfordii*

>>Variant: (3β,22β)-form

Synonym(s): Triptotriterpenic acid B

CAS Registry Number: 128301-32-6

Type of Compound Code(s): VS8300

Molecular Formula: $\text{C}_{30}\text{H}_{48}\text{O}_4$

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Constit. of *Tripterygium wilfordii*

Use/Importance: Shows antiinflammatory activity

Physical Description: Prisms (MeOH aq.)

Melting Point: Mp 281-283°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +55$ (c, 0.6 in MeOH)