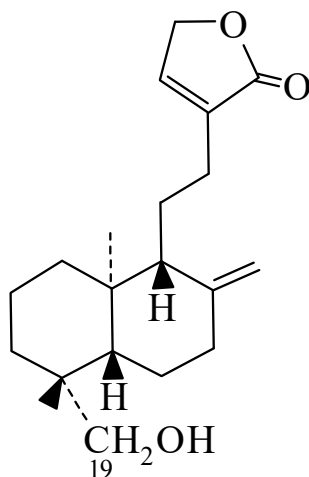




>>Entry Name: 19-Hydroxy-8(17),13-labdadien-16,15-olide



Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

>>Variant: *ent*-form

Synonym(s): Andrograpanin

CAS Registry Number: 82209-74-3

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

Biological Source: Constit. of *Andrographis paniculata*

Physical Description: Needles (Me₂CO/hexane)

Melting Point: Mp 104-106°

Optical Rotation: [α]_D²³ -35 (c, 1.02 in CHCl₃)

>>Derivative: *O*- β -D-Glucopyranoside

Synonym(s): Neoandrographolide

CAS Registry Number: 27215-14-1

Molecular Formula: C₂₆H₄₀O₈

Molecular Weight: 480.597

Accurate Mass: 480.27232

Percentage Composition: C 64.98%; H 8.39%; O 26.63%

Biological Source: Isol. from *Andrographis paniculata*

Physical Description: Cryst.

Melting Point: Mp 167-168°. Mp 201-203°

Optical Rotation: [α]_D -40 (c, 1.11 in MeOH). [α]_D -48 (Py)

UV: [neutral] $\lambda_{\max}$ 240 () (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 205 (ϵ 10400) (EtOH) (Berdy)

>>Derivative: *O*-(6-*O*-Acetyl- β -D-glucopyranoside)

CAS Registry Number: 141973-42-4

Molecular Formula: C₂₈H₄₂O₉

Molecular Weight: 522.634

Accurate Mass: 522.282885

Percentage Composition: C 64.35%; H 8.10%; O 27.55%

Biological Source: Constit. of *Potamogeton natans*

Optical Rotation: [α]_D -39.9 (c, 0.47 in MeOH)

UV: [neutral] $\lambda_{\max}$ 211 (log ϵ 3.58) (EtOH)

References:

- Chan, W.R. *et al.*, *Tetrahedron*, 1971, **27**, 5081, (*Neoandrographolide*)
Fujita, T. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 2117, (*Andrograpanin*)
Matsuda, T. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 1216, (*isol*, *pmr*, *cmr*)
Cangiano, T. *et al.*, *Phytochemistry*, 2001, **56**, 469-473, (*6-acetylglucoside*)