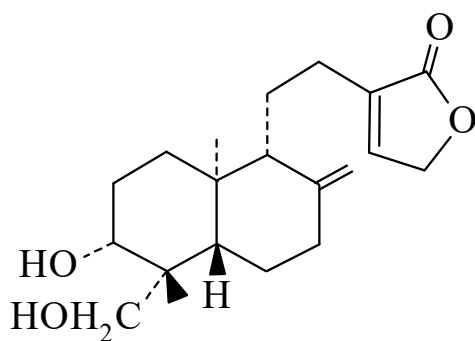




>>Entry Name: 3,19-Dihydroxy-8(17),13-labdadien-16,15-olide



Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

>>Variant: (*ent*-3β)-form

Synonym(s): 14-Deoxyandrographolide

CAS Registry Number: 4176-97-0

Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Biological Source: Constit. of *Andrographis paniculata*

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 175°

Optical Rotation: [α]_D −30.7 (c, 0.95 in MeOH)

Solubility: BERDY SOL: Poorly sol. hexane

Other Data: The name 14-deoxyandrographolide is incorrect as andrographolide has a 12, 13-double bond

>>Derivative: 19-*O*-β-D-Glucopyranoside

Synonym(s): Andropanoside. Ninandrographolide. 14-Deoxyandrographoside

CAS Registry Number: 82209-72-1

Molecular Formula: C₂₆H₄₀O₉

Molecular Weight: 496.597

Accurate Mass: 496.267235

Percentage Composition: C 62.89%; H 8.12%; O 29.00%

Biological Source: Constit. of *Andrographis paniculata*

Physical Description: Needles (MeOH/Me₂CO)

Melting Point: Mp 199-200°

Optical Rotation: [α]_D²⁵ −35.1 (c, 0.57 in Py)

References:

Balmain, A. *et al.*, *J.C.S. Perkin I*, 1973, 1247

Hu, C. *et al.*, *CA*, 1982, **97**, 107055b, (*14-Deoxyandrographoside*)

Fujita, T. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 2117, (*Andropanoside*)

Matsuda, T. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 1216, (*isol, pmr, cmr*)