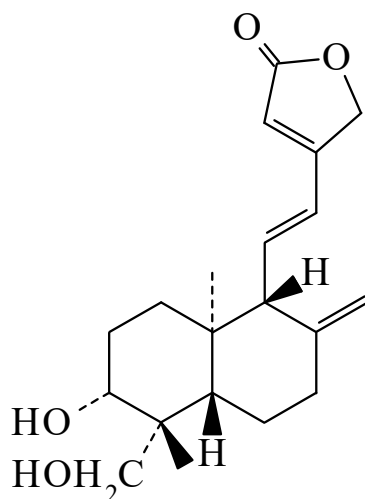




>>Entry Name: 3,19-Dihydroxy-8(17),11,13-labdatrien-16,15-olide



**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>

**Molecular Weight:** 332.439

**Accurate Mass:** 332.19876

**Percentage Composition:** C 72.26%; H 8.49%; O 19.25%

>>**Variant:** (*ent*-3 $\beta$ ,11*E*)-form

**Synonym(s):** 14-Deoxy-11,12-dihydroandrographolide (incorr.)

**CAS Registry Number:** 42895-58-9

**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>

**Molecular Weight:** 332.439

**Accurate Mass:** 332.19876

**Percentage Composition:** C 72.26%; H 8.49%; O 19.25%

**Biological Source:** Constit. of *Andrographis paniculata*

**Physical Description:** Cryst. (Et<sub>2</sub>O)

**Melting Point:** Mp 203-204°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +5.4 (c, 1.02 in MeOH)

>>**Derivative:** 19-*O*- $\beta$ -D-Glucopyranoside

**Synonym(s):** 14-Deoxy-11,12-dihydroandrographiside (incorr.)

**Molecular Formula:** C<sub>26</sub>H<sub>38</sub>O<sub>9</sub>

**Molecular Weight:** 494.581

**Accurate Mass:** 494.251585

**Percentage Composition:** C 63.14%; H 7.74%; O 29.11%

**Biological Source:** Constit. of *Andrographis paniculata*

**Physical Description:** Amorph. powder

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +18 (c, 0.23 in MeOH)

#### References:

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

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