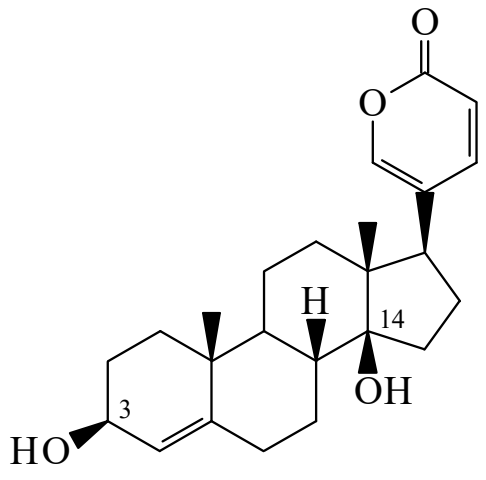
>>**Entry Name: 3,14-Dihydroxybufa-4,20,22-trienolide**



Molecular Formula: $C_{24}H_{32}O_4$
Molecular Weight: 384.514
Accurate Mass: 384.23006
Percentage Composition: C 74.97%; H 8.39%; O 16.64%

>>**Variant:** (3β,14β)-form
Synonym(s): Scillarenin. β-Scillarenin

CAS Registry Number: 465-22-5

Molecular Formula: $C_{24}H_{32}O_4$
Molecular Weight: 384.514
Accurate Mass: 384.23006
Percentage Composition: C 74.97%; H 8.39%; O 16.64%
Biological Source: Constit. of *Scilla maritima*
Biological Use/Importance: Antineoplastic agent
Physical Description: Prisms (EtOAc/hexane)
Melting Point: Mp 243-245°
Optical Rotation: $[\alpha]_D^{25}$ –20.1 (c, 0.7 in MeOH)
Calculated Log P Data: Log P 2.76 (uncertain value) (calc)
UV: [neutral] λ_{max} 300 (ε 5260) (EtOH) (Berdy)
Other Data: Props. refer to a sample prepd. by careful enzymic hydrol. of Proscillaridin (Tanase *et al*) which is the normal natural form of Scillarenin
Hazard & Toxicity: LD_{50} (cat, ivn) 0.16 mg/kg

>>**Derivative:** 3-*O*-β-D-Glucopyranoside

CAS Registry Number: 14904-71-3

Molecular Formula: $C_{30}H_{42}O_9$
Molecular Weight: 546.656
Accurate Mass: 546.282885
Percentage Composition: C 65.92%; H 7.74%; O 26.34%
Biological Source: Constit. of *Scilla maritima*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 208-212°
Optical Rotation: $[\alpha]_D^{20}$ –54.2 (c, 0.5 in MeOH)

>>**Derivative:** 3-*O*-α-L-Rhamnopyranoside
Synonym(s): Proscillaridin A. **Proscillaridin,** BAN, INN, JAN, USAN**.** Cardion. Prostosin. Desglucotransvaalin. Scillacrist. Many other names

CAS Registry Number: 466-06-8

Molecular Formula: $C_{30}H_{42}O_8$
Molecular Weight: 530.657
Accurate Mass: 530.28797
Percentage Composition: C 67.90%; H 7.98%; O 24.12%
Biological Source: Constit. of *Scilla maritima*
Biological Use/Importance: Cardiotonic agent
Physical Description: Cryst. (MeOH)
Melting Point: Mp 219-222°