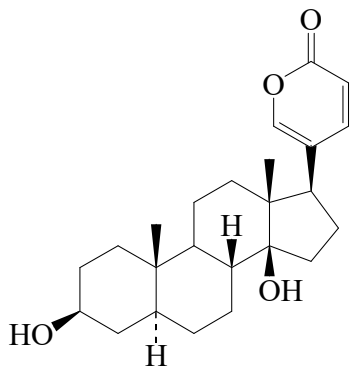
>>**Entry Name: 3,14-Dihydroxybufa-20,22-dienolide**



(3β,5α,14β)-*form*

Molecular Formula: $C_{24}H_{34}O_4$
Molecular Weight: 386.53
Accurate Mass: 386.24571
Percentage Composition: C 74.58%; H 8.87%; O 16.56%
Other Data: All refs. before 1997 refer principally to Bufalin and its derivs.

>>**Variant:** (3β,5α,14β)-form

Molecular Formula: $C_{24}H_{34}O_4$
Molecular Weight: 386.53
Accurate Mass: 386.24571
Percentage Composition: C 74.58%; H 8.87%; O 16.56%

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→4)-α-L-rhamnopyranoside]
Synonym(s): 4,5-Dihydroscillaren A

CAS Registry Number: 131221-53-9

Molecular Formula: $C_{36}H_{54}O_{13}$
Molecular Weight: 694.815
Accurate Mass: 694.356445
Percentage Composition: C 62.23%; H 7.83%; O 29.93%
Biological Source: Constit. of *Urginea sanguinea*
Physical Description: Needles (MeOH)
Melting Point: Mp 192-194°
Optical Rotation: $[\alpha]_D$ –44.4 (c, 0.12 in MeOH)
UV: [neutral] λ_{max} 298 () (MeOH)

>>**Variant:** (3β,5β,14β)-form
Synonym(s): Bufalin

CAS Registry Number: 465-21-4

Molecular Formula: $C_{24}H_{34}O_4$
Molecular Weight: 386.53
Accurate Mass: 386.24571
Percentage Composition: C 74.58%; H 8.87%; O 16.56%
Biological Source: Constit. of toad venom
Use/Importance: Cardiotonic agent
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 240-243°
Optical Rotation: $[\alpha]_D$ –9 ($CHCl_3$)
Hazard & Toxicity: Highly toxic, LD_{50} (cat, ivn) 0.14 mg/kg, LD_{50} (mus, ivn) 0.74 mg/kg
Sigma: B0261

>>**Derivative:** 3-Ac

Melting Point: Mp 230°. Mp 247° (double Mp)
Optical Rotation: $[\alpha]_D$ –6 ($CHCl_3$)