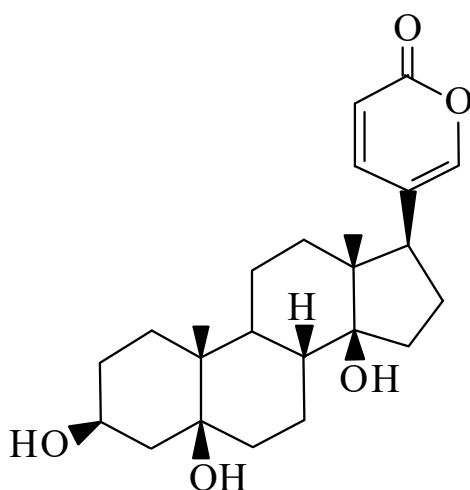




>>Entry Name: 3,5,14-Trihydroxybufa-20,22-dienolide



Molecular Formula: C₂₄H₃₄O₅

Molecular Weight: 402.53

Accurate Mass: 402.240625

Percentage Composition: C 71.61%; H 8.51%; O 19.87%

>>Variant: (3β,5β,14β)-form

Synonym(s): Telocinobufagin

CAS Registry Number: 472-26-4

Molecular Formula: C₂₄H₃₄O₅

Molecular Weight: 402.53

Accurate Mass: 402.240625

Percentage Composition: C 71.61%; H 8.51%; O 19.87%

Biological Source: Constit. of Ch'an Su and other toad poisons

Physical Description: Amorph.

Melting Point: Mp 210-211° (block)

>>Derivative: 3-Suberoylarginine ester

Synonym(s): Telocinobufatoxin

CAS Registry Number: 72093-20-0

Molecular Formula: C₃₈H₅₈N₄O₉

Molecular Weight: 714.898

Accurate Mass: 714.420381

Percentage Composition: C 63.84%; H 8.18%; N 7.84%; O 20.14%

Biological Source: Constit. of *Bufo marinus*

Physical Description: Cryst.

Melting Point: Mp 194-198°

Optical Rotation: [α]_D²⁰ +1.8 (c, 0.58 in MeOH)

References:

Ruckstuhl, J.-P. *et al.*, *Helv. Chim. Acta*, 1957, **40**, 1270, (*isol, struct*)

Gsell, L. *et al.*, *Helv. Chim. Acta*, 1969, **52**, 551, (*pmr*)

Shimada, K. *et al.*, *Chem. Pharm. Bull.*, 1979, **27**, 1881, (*Telocinobufatoxin*)