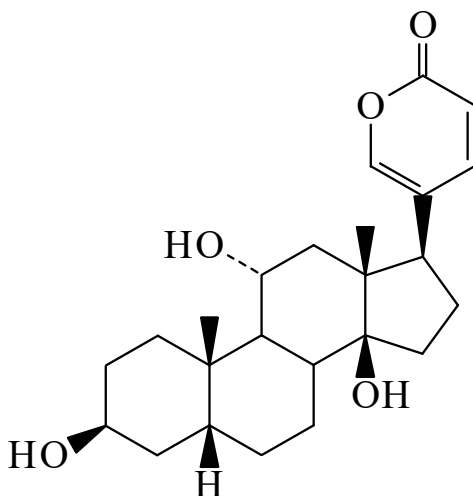




>>Entry Name: 3,11,14-Trihydroxybufa-20,22-dienolide



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,11α,14β)-form

Synonym(s): Gamabufotalin. Gamabufagin. Gamabufogenin

CAS Registry Number: 465-11-2

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 poisonous secretion of Japanese toads (*Bufo vulgaris formosus*) and Ch'an Su

Physical Description: Cryst.

Melting Point: Mp 261-263 dec.°

Rare Chemicals Library: S40418-7

>>Derivative: 3-Succinoylarginine ester

Molecular Formula: C₃₄H₅₀N₄O₉

Molecular Weight: 658.79

Accurate Mass: 658.357781

Percentage Composition: C 61.99%; H 7.65%; N 8.50%; O 21.86%

Biological Source: Constit. of skin of *Bufo vulgaris formosus*

Physical Description: Amorph. solid (MeOH/Me₂CO)

Melting Point: Mp 198-200°

Optical Rotation: [α]_D²⁴ -6.6 (c, 0.08 in MeOH)

>>Derivative: 3-Adipoylarginine ester

Molecular Formula: C₃₆H₅₄N₄O₉

Molecular Weight: 686.844

Accurate Mass: 686.389081

Percentage Composition: C 62.95%; H 7.92%; N 8.16%; O 20.96%

Biological Source: Constit. of skin of *Bufo vulgaris formosus*

Physical Description: Amorph. solid (MeOH)

Melting Point: Mp 242-245°

Optical Rotation: [α]_D²¹ -16.4 (c, 0.09 in MeOH)