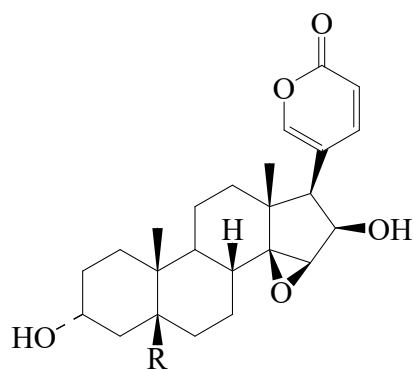




>>Entry Name: 14,15-Epoxy-3,5,16-trihydroxybufa-20,22-dienolide



(3 α ,5 β ,14 β ,15 β ,16 β)-form

R=OH

Molecular Formula: C₂₄H₃₂O₆

Molecular Weight: 416.513

Accurate Mass: 416.21989

Percentage Composition: C 69.21%; H 7.74%; O 23.05%

UV: [neutral] $\lambda_{\max}$ 295 (ϵ 1862) (MeOH) (Berdy)

Sigma: C1147

>>Variant: (3 α ,5 β ,14 β ,15 β ,16 β)-form

Synonym(s): De-*O*-acetyl-3-epicinobufotalin

CAS Registry Number: 105450-67-7

Molecular Formula: C₂₄H₃₂O₆

Molecular Weight: 416.513

Accurate Mass: 416.21989

Percentage Composition: C 69.21%; H 7.74%; O 23.05%

>>Variant: (3 β ,5 β ,14 β ,15 β ,16 β)-form

Synonym(s): De-*O*-acetylcinobufotalin

CAS Registry Number: 4099-30-3

Molecular Formula: C₂₄H₃₂O₆

Molecular Weight: 416.513

Accurate Mass: 416.21989

Percentage Composition: C 69.21%; H 7.74%; O 23.05%

Biological Source: Isol. from the nuchal glands of the snake *Rhabdophis tigrinus* and from toad venom. Component of Chan Su

Melting Point: Mp 245-251°

Optical Rotation: [α]_D +32 (c, 0.1 in MeOH)

>>Derivative: 16-Ac

Synonym(s): Cinobufotalin

CAS Registry Number: 1108-68-5

Biological Source: Constit. of Ch'an Su, the dried venom of Chinese toads

Physical Description: Cryst.

Melting Point: Mp 254-258°

Optical Rotation: [α]_D +11

>>Derivative: 3-(Arginylpimeloyl), 16-Ac

Synonym(s): Cinobufotalitoxin

CAS Registry Number: 60113-08-8

Molecular Formula: C₄₀H₅₈N₄O₁₁

Molecular Weight: 770.918

Accurate Mass: 770.410211

Percentage Composition: C 62.32%; H 7.58%; N 7.27%; O 22.83%

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

Physical Description: Cryst.

Melting Point: Mp 176-178 dec.°

Optical Rotation: [α]_D¹⁶ -5.4 (c, 0.09 in MeOH)