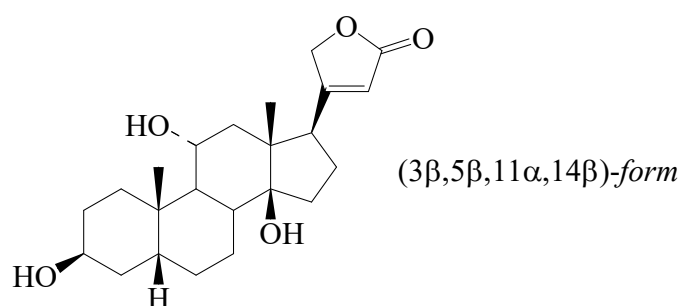




>>Entry Name: 3,11,14-Trihydroxycard-20(22)-enolide



Related CAS Registry Number(s): 60344-07-2

Molecular Formula: C₂₃H₃₄O₅

Molecular Weight: 390.519

Accurate Mass: 390.240625

Percentage Composition: C 70.74%; H 8.78%; O 20.48%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 270°

Optical Rotation: [α]_D +21.3 (EtOH)

>>Variant: (3β,5β,11α,14β)-form

Synonym(s): Sarmentogenin

CAS Registry Number: 76-28-8

Molecular Formula: C₂₃H₃₄O₅

Molecular Weight: 390.519

Accurate Mass: 390.240625

Percentage Composition: C 70.74%; H 8.78%; O 20.48%

secretions of the beetles *Chrysolina coerulans*, *Chrysolina herbacea* and *Chrysolina americana*

Physical Description: Prisms or plates (EtOH aq.)

Melting Point: Mp 265-267°

Optical Rotation: [α]_D²⁰ +21.5 (EtOH)

Hazard & Toxicity: LD₅₀ (cat, ivn) 0.46 mg/kg

>>Derivative: 3-O-Sulfate

Synonym(s): Sarmentogenin 3-sulfate

CAS Registry Number: 61626-06-0

Molecular Formula: C₂₃H₃₄O₈S

Molecular Weight: 470.583

Accurate Mass: 470.19744

Percentage Composition: C 58.70%; H 7.28%; O 27.20%; S 6.81%

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

Physical Description: Cryst. (as Na salt)

Melting Point: Mp 156-158° (Na salt)

Optical Rotation: [α]_D²¹ -32.2 (c, 0.05 in MeOH)

>>Derivative: 3-O-α-L-Arabinopyranoside

Synonym(s): Ornithogaloside

CAS Registry Number: 24660-14-8

Molecular Formula: C₂₈H₄₂O₉

Molecular Weight: 522.634

Accurate Mass: 522.282885

Percentage Composition: C 64.35%; H 8.10%; O 27.55%

Biological Source: Constit. of *Ornithogalum magnum*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 227-234°