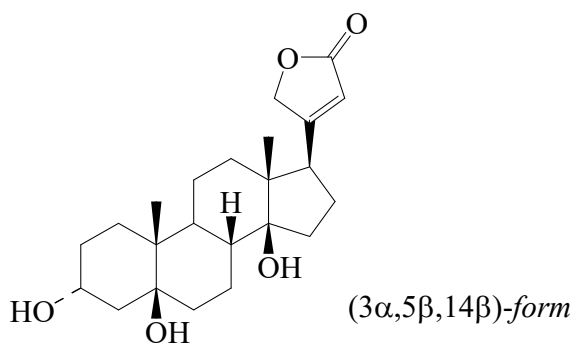




>>Entry Name: 3,5,14-Trihydroxycard-20(22)-enolide



Molecular Formula: C₂₃H₃₄O₅

Molecular Weight: 390.519

Accurate Mass: 390.240625

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

>>Variant: (3 α ,5 β ,14 β)-form

Synonym(s): Epiperiplogenin

CAS Registry Number: 71884-72-5

Molecular Formula: C₂₃H₃₄O₅

Molecular Weight: 390.519

Accurate Mass: 390.240625

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

Biological Source: Constit. of *Adonis vernalis*

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 211-214°

>>Variant: (3 β ,5 β ,14 β)-form

Synonym(s): Periplogenin

CAS Registry Number: 514-39-6

Molecular Formula: C₂₃H₃₄O₅

Molecular Weight: 390.519

Accurate Mass: 390.240625

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

Chrysolina coerulans

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 238° (sinters at 140°)

Optical Rotation: [α]_D³¹ +27 (c, 0.667 in CHCl₃)

Hazard & Toxicity: Toxic. LD₅₀ (cat) 0.72 mg/kg

>>Derivative: 3-O- β -D-Xylopyranoside

CAS Registry Number: 71558-57-1

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 defence secretion of the beetle *Chrysolina coerulans*

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

Molecular Formula: C₂₈H₄₂O₉

Molecular Weight: 522.634

Accurate Mass: 522.282885

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

Biological Source: Isol. from defence secretions of the beetle *Chrysolina fastuosa*