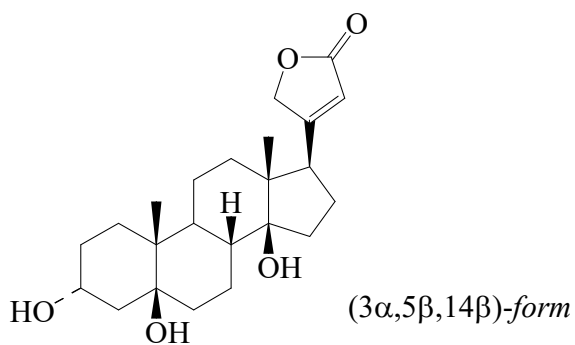




>>Entry Name: 3,5,14-Trihydroxycard-20(22)-enolide



**Molecular Formula:** C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>

**Molecular Weight:** 390.519

**Accurate Mass:** 390.240625

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

>>Variant: (3 $\alpha$ ,5 $\beta$ ,14 $\beta$ )-form

**Synonym(s):** Epiperiplogenin

**CAS Registry Number:** 71884-72-5

**Molecular Formula:** C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>

**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. (CHCl<sub>3</sub>/MeOH)

**Melting Point:** Mp 211-214°

>>Variant: (3 $\beta$ ,5 $\beta$ ,14 $\beta$ )-form

**Synonym(s):** Periplogenin

**CAS Registry Number:** 514-39-6

**Molecular Formula:** C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>

**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:** [ $\alpha$ ]<sub>D</sub><sup>31</sup> +27 (c, 0.667 in CHCl<sub>3</sub>)

**Hazard & Toxicity:** Toxic. LD<sub>50</sub> (cat) 0.72 mg/kg

>>Derivative: 3-O- $\beta$ -D-Xylopyranoside

**CAS Registry Number:** 71558-57-1

**Molecular Formula:** C<sub>28</sub>H<sub>42</sub>O<sub>9</sub>

**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- $\alpha$ -L-Lyxopyranoside

**Molecular Formula:** C<sub>28</sub>H<sub>42</sub>O<sub>9</sub>

**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*