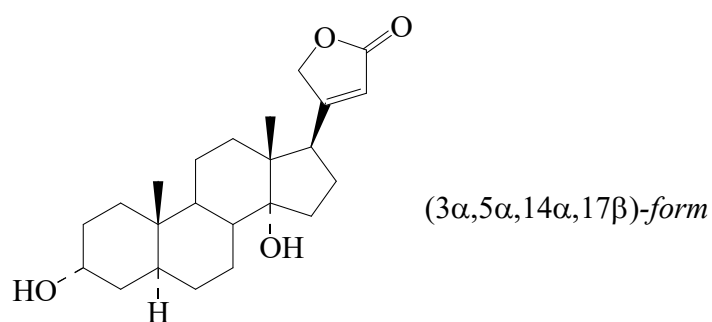




>>Entry Name: 3,14-Dihydroxycard-20(22)-enolide



Related CAS Registry Numbers(s): 17598-65-1

Molecular Formula: C<sub>23</sub>H<sub>34</sub>O<sub>4</sub>

Molecular Weight: 374.519

Accurate Mass: 374.24571

Percentage Composition: C 73.76%; H 9.15%; O 17.09%

Aldrich: D10320-9

Fluka: 37020

Sigma: D5753

>>Variant: (3 $\alpha$ ,5 $\alpha$ ,14 $\alpha$ ,17 $\beta$ )-form

Synonym(s): Urezigenin

Molecular Formula: C<sub>23</sub>H<sub>34</sub>O<sub>4</sub>

Molecular Weight: 374.519

Accurate Mass: 374.24571

Percentage Composition: C 73.76%; H 9.15%; O 17.09%

Biological Source: Aglycone from Urezin

Melting Point: Mp 270-275° (238-239°)

Optical Rotation: [ $\alpha$ ]<sub>D</sub> +4.1 (CHCl<sub>3</sub>). [ $\alpha$ ]<sub>D</sub><sup>26</sup> +16.7 (EtOH)

>>Derivative: 3-O-[ $\beta$ -D-Glucopyranosyl-(1 $\rightarrow$ 6)- $\beta$ -D-glucopyranoside]

Synonym(s): Urezin

Molecular Formula: C<sub>35</sub>H<sub>54</sub>O<sub>14</sub>

Molecular Weight: 698.803

Accurate Mass: 698.35136

Percentage Composition: C 60.16%; H 7.79%; O 32.05%

Biological Source: From uzara root

Physical Description: Cryst. (MeOH)

Melting Point: Mp 185-192°

Optical Rotation: [ $\alpha$ ]<sub>D</sub> -4.8 (c, 1.04 in EtOH)

>>Variant: (3 $\alpha$ ,5 $\alpha$ ,14 $\beta$ ,17 $\beta$ )-form

Synonym(s): 3-Epiuzarigenin

Molecular Formula: C<sub>23</sub>H<sub>34</sub>O<sub>4</sub>

Molecular Weight: 374.519

Accurate Mass: 374.24571

Percentage Composition: C 73.76%; H 9.15%; O 17.09%

Biological Source: Aglycone from Oxyline

Physical Description: Cryst.

Melting Point: Mp 229-232°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>25</sup> +16.9 (c, 0.1 in CHCl<sub>3</sub>)