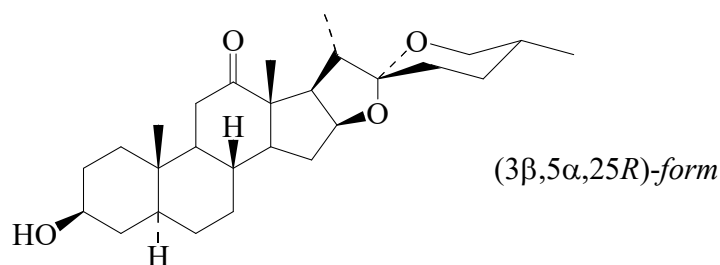




>>Entry Name: 3-Hydroxyspirostan-12-one



**Molecular Formula:** C<sub>27</sub>H<sub>42</sub>O<sub>4</sub>

**Molecular Weight:** 430.626

**Accurate Mass:** 430.30831

**Percentage Composition:** C 75.31%; H 9.83%; O 14.86%

>>Variant: (3β,5α,25R)-form

**Synonym(s):** Hecogenin. Hocogenin

**CAS Registry Number:** 467-55-0

**Molecular Formula:** C<sub>27</sub>H<sub>42</sub>O<sub>4</sub>

**Molecular Weight:** 430.626

**Accurate Mass:** 430.30831

**Percentage Composition:** C 75.31%; H 9.83%; O 14.86%

**Biological Source:** Sapogenin from *Hechtia texensis*, *Agave* spp., *Yucca* spp. and others

**Use/Importance:** Used in the preparation of cortisone derivs.

**Physical Description:** Cryst. (three forms)

**Melting Point:** Mp 245°. Mp 253°. Mp 268°

**Optical Rotation:** [α]<sub>D</sub> −10 (dioxan)

**Solubility:** BERDY SOL: Poorly sol. hexane

**Sigma:** H2261

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

**Synonym(s):** Agavoside A. Agaveside A

**CAS Registry Number:** 56857-65-9

**Molecular Formula:** C<sub>33</sub>H<sub>52</sub>O<sub>9</sub>

**Molecular Weight:** 592.768

**Accurate Mass:** 592.361135

**Percentage Composition:** C 66.87%; H 8.84%; O 24.29%

**Biological Source:** From *Agave americana*

**Physical Description:** Amorph.

>>Derivative: 3-O-[β-D-Glucopyranosyl-(1→4)-β-D-galactopyranoside]

**Synonym(s):** Agavoside B. Agaveside B

**CAS Registry Number:** 56857-66-0

**Molecular Formula:** C<sub>39</sub>H<sub>62</sub>O<sub>14</sub>

**Molecular Weight:** 754.91

**Accurate Mass:** 754.41396

**Percentage Composition:** C 62.05%; H 8.28%; O 29.67%

**Biological Source:** From *Agave americana*

**Physical Description:** Amorph.