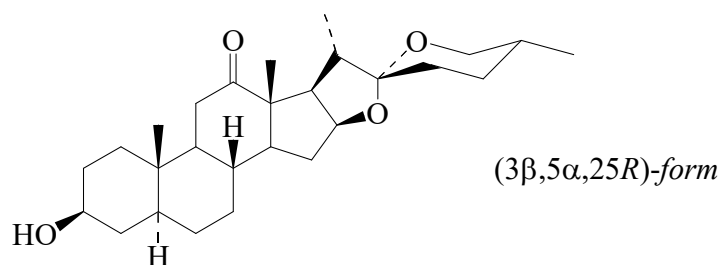




>>Entry Name: 3-Hydroxyspirostan-12-one



Molecular Formula: C₂₇H₄₂O₄

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: C₂₇H₄₂O₄

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]_D −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: C₃₃H₅₂O₉

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: C₃₉H₆₂O₁₄

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.