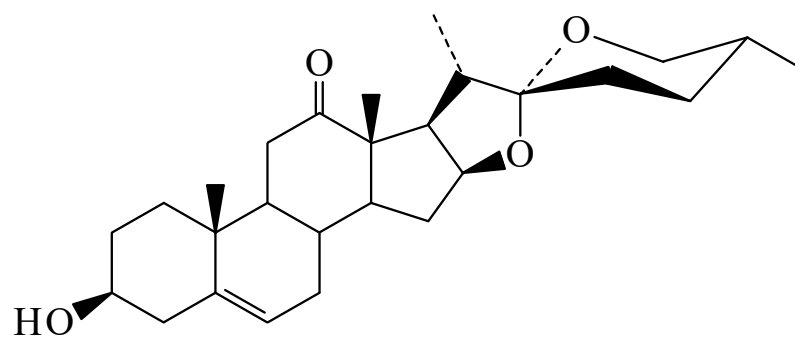




>>Entry Name: 3-Hydroxyspirost-5-en-12-one



Molecular Formula: C₂₇H₄₀O₄

Molecular Weight: 428.611

Accurate Mass: 428.29266

Percentage Composition: C 75.66%; H 9.41%; O 14.93%

>>Variant: (3 β ,25*R*)-form

Synonym(s): Gentrogenin. Botogenin

CAS Registry Number: 427-28-1

Molecular Formula: C₂₇H₄₀O₄

Molecular Weight: 428.611

Accurate Mass: 428.29266

Percentage Composition: C 75.66%; H 9.41%; O 14.93%

Biological Source: Constit. of *Dioscorea spiculiflora*, *Dioscorea mexicana*, *Dioscorea chiapasensis*

Physical Description: Cryst.

Melting Point: Mp 215-216°. Mp 262°

Optical Rotation: [α]_D²⁵ -57

>>Derivative: 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

CAS Registry Number: 189255-28-5

Molecular Formula: C₅₀H₇₈O₂₃

Molecular Weight: 1047.152

Accurate Mass: 1046.493395

Percentage Composition: C 57.35%; H 7.51%; O 35.14%

Biological Source: Constit. of *Polygonatum alte-lobatum*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 264-266°

Optical Rotation: [α]_D²⁵ -40 (c, 0.01 in MeOH)

>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)-[α -L-arabinopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

CAS Registry Number: 253872-18-3

Molecular Formula: C₅₀H₇₈O₂₂

Molecular Weight: 1031.153

Accurate Mass: 1030.49848

Percentage Composition: C 58.24%; H 7.62%; O 34.14%

Biological Source: Constit. of *Agave ferox*

>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)-[β -D-glucopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

CAS Registry Number: 253872-21-8

Molecular Formula: C₅₁H₈₀O₂₃

Molecular Weight: 1061.179

Accurate Mass: 1060.509045

Percentage Composition: C 57.72%; H 7.60%; O 34.68%

Biological Source: Constit. of *Agave ferox*