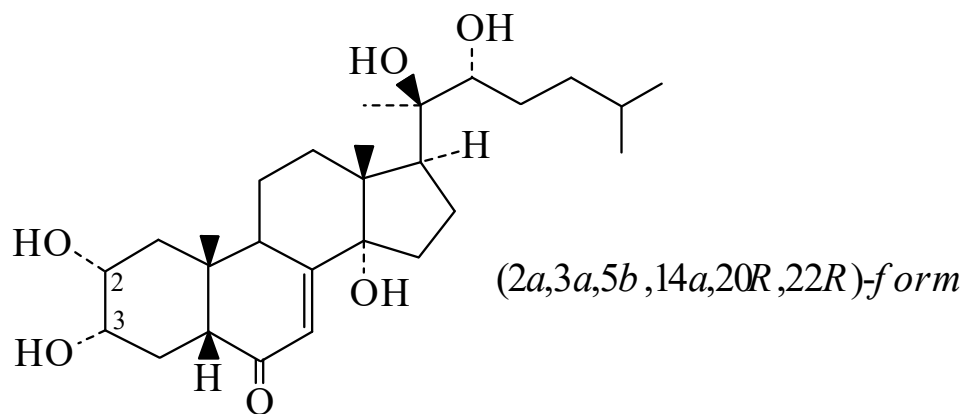




>>Entry Name: 2,3,14,20,22-Pentahydroxycholest-7-en-6-one



Molecular Formula: C₂₇H₄₄O₆

Molecular Weight: 464.641

Accurate Mass: 464.31379

Percentage Composition: C 69.80%; H 9.54%; O 20.66%

>>Variant: (2 α ,3 α ,5 β ,14 α ,20 R ,22 R)-form

Synonym(s): Ponasterone B

CAS Registry Number: 19338-77-3

Molecular Formula: C₂₇H₄₄O₆

Molecular Weight: 464.641

Accurate Mass: 464.31379

Percentage Composition: C 69.80%; H 9.54%; O 20.66%

Biological Source: From *Podocarpus nakaii*

Use/Importance: Shows strong insect-moulting activity

Physical Description: Noncryst.

>>Derivative: 2,3,22-Tri-Ac

Physical Description: Cryst.

Melting Point: Mp 128-130°

>>Variant: (2 β ,3 β ,5 β ,14 α ,20 R ,22 R)-form

Synonym(s): Ponasterone A

CAS Registry Number: 13408-56-5

Molecular Formula: C₂₇H₄₄O₆

Molecular Weight: 464.641

Accurate Mass: 464.31379

Percentage Composition: C 69.80%; H 9.54%; O 20.66%

Biological Source: Isol. from leaves of *Podocarpus nakaii*. Also found in various ferns

Use/Importance: Insect moulting hormone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 259-260 dec.°

Optical Rotation: [α]_D¹⁵+90 (MeOH)

UV: [neutral] $\lambda_{\max}$ 244 (ϵ 12400); 326 (ϵ 130) (MeOH) (Berdy)

>>Derivative: 3-*O*- β -D-Xylopyranoside

Synonym(s): Limnantheoside B

Molecular Formula: C₃₂H₅₂O₁₀

Molecular Weight: 596.757

Accurate Mass: 596.35605

Percentage Composition: C 64.41%; H 8.78%; O 26.81%

Biological Source: Constit. of *Limnanthes douglasii*

Physical Description: Gum

UV: [neutral] $\lambda_{\max}$ 242 (log ϵ 4) (no solvent reported)