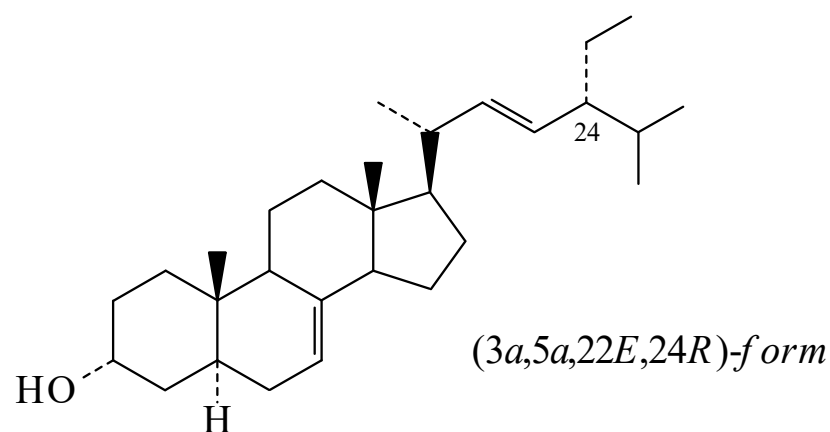




>>Entry Name: Stigmasta-7,22-dien-3-ol
ENTRY UNDER REVIEW



Molecular Formula: C₂₉H₄₈O
Molecular Weight: 412.698
Accurate Mass: 412.370515
Percentage Composition: C 84.40%; H 11.72%; O 3.88%

>>Variant: (3 α ,5 α ,22*E*,24*R*)-form
Synonym(s): 3-Epichondrillasterol

Molecular Formula: C₂₉H₄₈O
Molecular Weight: 412.698
Accurate Mass: 412.370515
Percentage Composition: C 84.40%; H 11.72%; O 3.88%
Biological Source: Constit. of *Mimusops elengi*
Physical Description: Cryst. (EtOAc/hexane)
Melting Point: Mp 150-152°
Optical Rotation: [α]_D²⁰ +15 (c, 0.4 in CHCl₃)

>>Derivative: O- β -D-Glucopyranoside

Molecular Formula: C₃₅H₅₈O₆
Molecular Weight: 574.84
Accurate Mass: 574.42334
Percentage Composition: C 73.13%; H 10.17%; O 16.70%
Biological Source: Constit. of *Mimusops elengi*
Physical Description: Cryst.
Melting Point: Mp 281-282 dec.°
Optical Rotation: [α]_D²⁰ -15.9 (c, 0.11 in CHCl₃/MeOH)

>>Derivative: O- β -D-Galactopyranoside

Molecular Formula: C₃₅H₅₈O₆
Molecular Weight: 574.84
Accurate Mass: 574.42334
Percentage Composition: C 73.13%; H 10.17%; O 16.70%
Biological Source: Constit. of *Mimusops elengi*
Physical Description: Cryst.
Melting Point: Mp 291°
Optical Rotation: [α]_D²⁰ -9.4 (c, 0.5 in CHCl₃/MeOH)

>>Variant: (3 β ,5 α ,22*E*,24*R*)-form
Synonym(s): Chondrillasterol. Poriferasta-7,22-dien-3-ol

CAS Registry Number: 481-17-4

Molecular Formula: C₂₉H₄₈O
Molecular Weight: 412.698
Accurate Mass: 412.370515
Percentage Composition: C 84.40%; H 11.72%; O 3.88%
Biological Source: Constit. of *Chondrilla nucula* and the green alga *Scenedesmus obliquus*
Physical Description: Cryst. (Me₂CO/MeOH)
Melting Point: Mp 174.5-175.5°
Optical Rotation: [α]