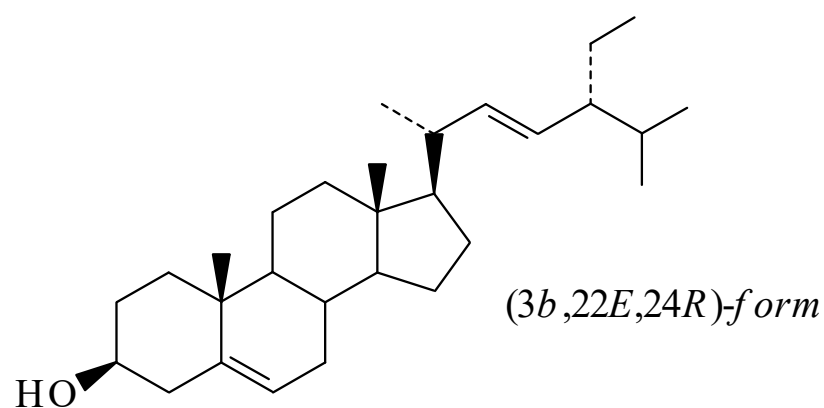




>>Entry Name: Stigmasta-5,22-dien-3-ol

ENTRY UNDER REVIEW

Synonym(s): 24-Ethylcholesta-5,22-dien-3-ol



Molecular Formula: C₂₉H₄₈O

Molecular Weight: 412.698

Accurate Mass: 412.370515

Percentage Composition: C 84.40%; H 11.72%; O 3.88%

>>Variant: (3β,22E,24R)-form

Synonym(s): **Poriferasterol**. Poriferasta-5,22-dien-3-ol. Strumasterol

CAS Registry Number: 481-16-3

Extra CAS Registry Numbers(s): 32345-19-0

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 sponges, e.g. *Cliona celata*, *Sphaeciospongia vesparia*, *Haliclona variabilis*, of green algae *Chlorella* spp. and of *Ochromonas malhamensis*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 156°

Optical Rotation: [α]_D −46 (CHCl₃)

>>Derivative: Ac

CAS Registry Number: 1900-51-2

Molecular Formula: C₃₁H₅₀O₂

Molecular Weight: 454.735

Percentage Composition: C 81.88%; H 11.08%; O 7.04%

Melting Point: Mp 146.5-147°

Optical Rotation: [α]_D −53 (CHCl₃)

>>Variant: (3β,22E,24S)-form

Synonym(s): **Stigmasterol**. Serposterol. Stigmasta-5,22-dien-3-ol

CAS Registry Number: 83-48-7

Extra CAS Registry Numbers(s): 32345-19-0

Molecular Formula: C₂₉H₄₈O

Molecular Weight: 412.698

Accurate Mass: 412.370515

Percentage Composition: C 84.40%; H 11.72%; O 3.88%

Biological Source: Widely occurring sterol

Physical Description: Cryst. (EtOH)

Melting Point: Mp 170°

Optical Rotation: [α]_D²² −57 (CHCl₃)

Aldrich: S440-9

Fluka: 85860

Sigma: S2424

Supelco: R42-6530