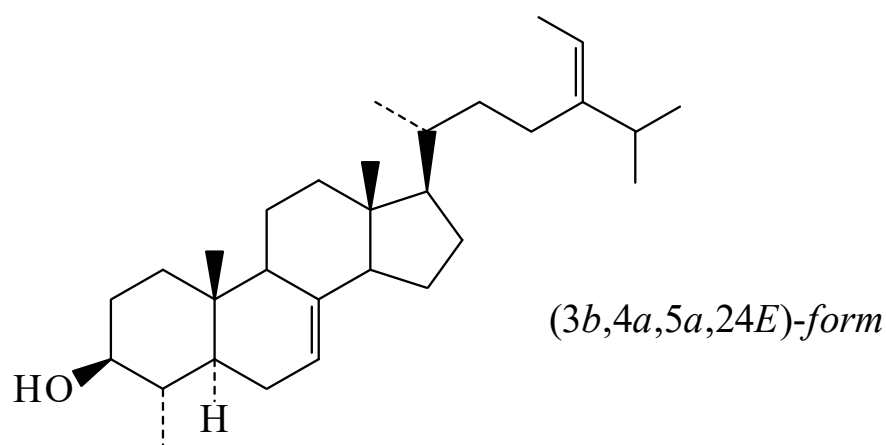




>>Entry Name: 4-Methylstigmasta-7,24(28)-dien-3-ol
ENTRY UNDER REVIEW



Related CAS Registry Numbers(s): 11040-28-1

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%

>>Variant: (3β,4α,5α,24*E*)-form
Synonym(s): Epicitrostadienol

CAS Registry Number: 39006-52-5

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Constit. of marigold flowers
Physical Description: Cryst. (MeOH)

>>Variant: (3β,4α,5α,24*Z*)-form
Synonym(s): α₁-Sitosterol. Citrostadienol. 24-Ethylidenelophenol

CAS Registry Number: 474-40-8

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Constit. of potatoes (*Solanum tuberosum*), garden peas (*Pisum sativum*), citrus oils and other plants
Physical Description: Cryst. (Et₂O/EtOH)
Melting Point: Mp 162-164°
Optical Rotation: [α]_D +24 (c, 1 in CHCl₃)
Other Data: α₁-Sitosterol was not homogeneous

>>Variant: (3β,4β,5α,24*Z*)-form

CAS Registry Number: 21490-23-3

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Constit. of *Calendula officinalis*
Physical Description: Cryst.
Melting Point: Mp 165°
Optical Rotation: [α]_D +6 (CHCl₃)

References: