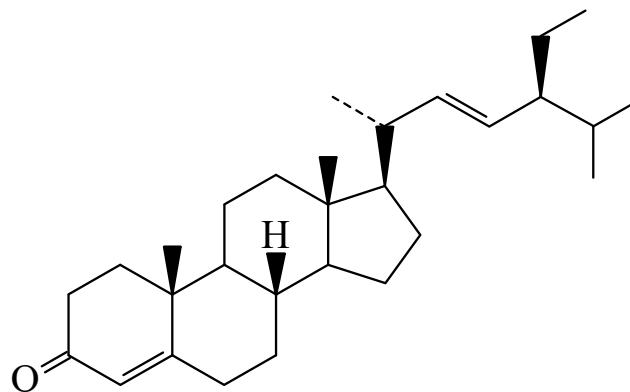




>>Entry Name: Stigmasta-4,22-dien-3-one, 9Cl

Synonym(s): 24-Ethylcholesta-4,22-dien-3-one



Related CAS Registry Numbers(s): 83603-21-8

Molecular Formula: C₂₉H₄₆O

Molecular Weight: 410.682

Accurate Mass: 410.354865

Percentage Composition: C 84.81%; H 11.29%; O 3.90%

>>Variant: (22*E*,24*R*)-form

CAS Registry Number: 55722-32-2

Molecular Formula: C₂₉H₄₆O

Molecular Weight: 410.682

Accurate Mass: 410.354865

Percentage Composition: C 84.81%; H 11.29%; O 3.90%

Melting Point: Mp 119-120°

>>Derivative: Semicarbazone

CAS Registry Number: 20817-73-6

Melting Point: Mp 241 dec.°

>>Variant: (22*E*,24*ξ*)-form

CAS Registry Number: 20817-72-5

Molecular Formula: C₂₉H₄₆O

Molecular Weight: 410.682

Accurate Mass: 410.354865

Percentage Composition: C 84.81%; H 11.29%; O 3.90%

Biological Source: Isol. from various plants

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 127-128°

Optical Rotation: [α]_D +58 (CHCl₃)

Sigma: S5754

References:

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U.K. Pat., 1955, 741 523; *CA*, **50**, 10803, (*synth*)

Banerjee, S.K. *et al.*, *Tetrahedron*, 1968, **24**, 6459, (*synth*)

Sheikh, Y.M. *et al.*, *Tetrahedron*, 1974, **30**, 4095, (*isomer*)

Smith, A.G. *et al.*, *Biomed. Mass Spectrom.*, 1976, **3**, 81, (*synth, ms*)

Knapp, F.F. *et al.*, *Phytochemistry*, 1977, **16**, 1683, (*isomer*)

Fernandez, M.I. *et al.*, *Phytochemistry*, 1983, **22**, 2087, (*isol*)