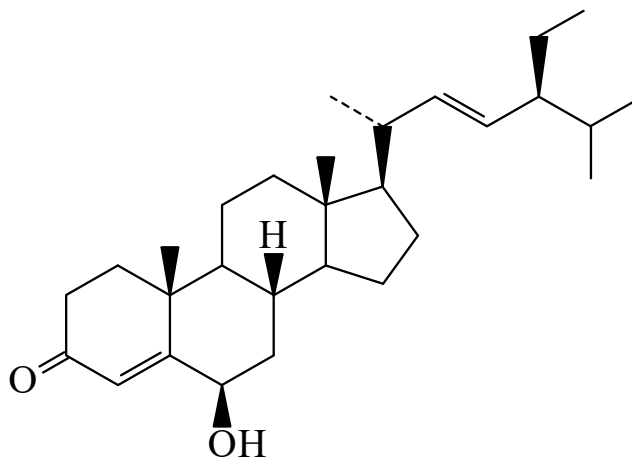




>>Entry Name: 6-Hydroxystigmasta-4,22-dien-3-one



Molecular Formula: C₂₉H₄₆O₂

Molecular Weight: 426.681

Accurate Mass: 426.34978

Percentage Composition: C 81.63%; H 10.87%; O 7.50%

>>Variant: (6 β ,22*E*)-form

CAS Registry Number: 36450-01-8

Molecular Formula: C₂₉H₄₆O₂

Molecular Weight: 426.681

Accurate Mass: 426.34978

Percentage Composition: C 81.63%; H 10.87%; O 7.50%

Biological Source: Constit. of the roots of *Phaseolus vulgaris* and the stems of *Phoenix dactylifera*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 210-212°

Optical Rotation: [α]_D +8 (CHCl₃)

>>Derivative: Ac

CAS Registry Number: 36450-03-0

Molecular Formula: C₃₁H₄₈O₃

Molecular Weight: 468.718

Percentage Composition: C 79.44%; H 10.32%; O 10.24%

Physical Description: Cryst. (hexane)

Melting Point: Mp 107-109°

Optical Rotation: [α]_D +16 (CHCl₃)

References:

Katsui, N. *et al.*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 223, (*isol*)

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

Galagovsky, L.R. *et al.*, *J. Chem. Res., Synop.*, 1990, 366, (*synth, pmr*)