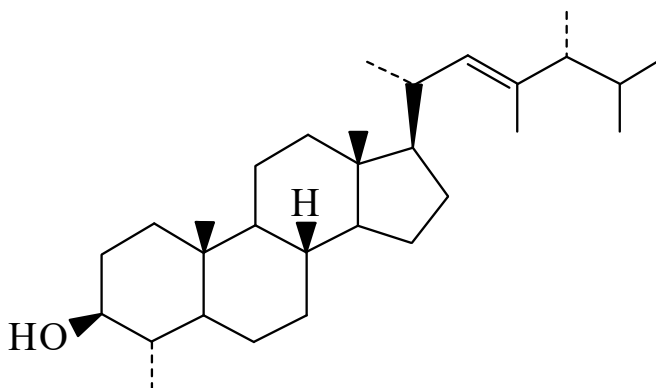




>>Entry Name: Dinosterol

Synonym(s): 4,23-Dimethylergost-22-en-3-ol. 4,23,24-Trimethylcholest-22-en-3-ol. Black sea sterol



CAS Registry Number: 58670-63-6

Type of Compound Code(s): AJ1300 VT1300

Molecular Formula: C₃₀H₅₂O

Molecular Weight: 428.74

Accurate Mass: 428.401815

Percentage Composition: C 84.04%; H 12.22%; O 3.73%

Biological Source: Constit. of *Gonyaulax tamarensis* and Black Sea sediment

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 220-222°

Optical Rotation: [α]_D 0 (c, 0.6 in CHCl₃)

>>Derivative: 3-Ketone

Synonym(s): 4 α ,23-Dimethyl-5 α -ergost-22-en-3-one. 4 α ,23,24*R*-Trimethyl-5 α -cholest-22-en-3-one. **Dinosterone**

CAS Registry Number: 70329-26-9

Type of Compound Code(s): AJ1300 VT1300

Biological Source: Constit. of *Cryptocodinium cohnii*

Physical Description: Cryst.

Melting Point: Mp 193-195°

References:

Shimizu, Y. *et al.*, *J.A.C.S.*, 1976, **98**, 1059, (*isol*)

Finer, J. *et al.*, *J.O.C.*, 1978, **43**, 1990, (*cryst struct*)

Withers, N.W. *et al.*, *Phytochemistry*, 1978, **17**, 1987; 1979, **18**, 71, (*isol, biosynth*)

Boon, J.J. *et al.*, *Nature (London)*, 1979, **277**, 125, (*isol*)

Shu, A.Y.L. *et al.*, *Tet. Lett.*, 1981, **22**, 4627, (*synth*)

Giner, J.-L. *et al.*, *J.O.C.*, 1991, **56**, 2357, (*biosynth*)