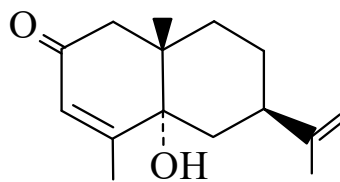




>>Entry Name: 5-Hydroxy-3,11-eudesmadien-2-one



Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

>>Variant: 5 α -form

Synonym(s): α -Rotunol

CAS Registry Number: 24405-56-9

Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of tubers of nut grass, *Cyperus rotundus*

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 87.5-88.5°

>>Variant: 5 β -form

Synonym(s): β -Rotunol

CAS Registry Number: 24405-57-0

Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of tubers of nut grass, *Cyperus rotundus*

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 118-119°

Optical Rotation: [α]_D +44.8 (c, 5.8 in CHCl₃)

References:

Hikino, H. *et al.*, *Tetrahedron*, 1971, **27**, 4831, (*isol, struct*)

Murai, A. *et al.*, *J.A.C.S.*, 1978, **100**, 7751, (*synth*)

Murai, A. *et al.*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 1195, (*synth*)