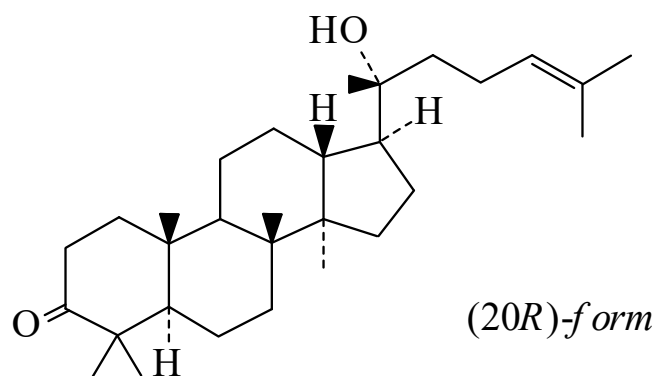




>>Entry Name: 20-Hydroxydammar-24-en-3-one
ENTRY UNDER REVIEW



Molecular Formula: C₃₀H₅₀O₂
Molecular Weight: 442.724
Accurate Mass: 442.38108
Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Variant: 20R-form

Synonym(s): Hydroxydammarenone I

CAS Registry Number: 22549-23-1

Molecular Formula: C₃₀H₅₀O₂
Molecular Weight: 442.724
Accurate Mass: 442.38108
Percentage Composition: C 81.39%; H 11.38%; O 7.23%
Biological Source: Constit. of Dammar resin
Physical Description: Cryst. (MeOH)
Melting Point: Mp 145-147°
Optical Rotation: [α]_D +60 (c, 1.3 in CHCl₃)

>>Variant: 20S-form

Synonym(s): Hydroxydammarenone II. Dipterocarpol

CAS Registry Number: 471-69-2

Molecular Formula: C₃₀H₅₀O₂
Molecular Weight: 442.724
Accurate Mass: 442.38108
Percentage Composition: C 81.39%; H 11.38%; O 7.23%
Biological Source: Constit. of Dammar resin and from various *Dipterocarpus* spp.
Physical Description: Cryst. (MeOH)
Melting Point: Mp 134-136°
Optical Rotation: [α]_D +66 (c, 1.2 in CHCl₃)
Aldrich: 36565-3
Fluka: 43610

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 577A, (nmr)
Mills, J.S. *et al.*, *J.C.S.*, 1955, 3152, (struct)
Biellman, J.-F. *et al.*, *Tetrahedron*, 1958, **3**, 303, (struct)
Lehn, J.M. *et al.*, *Bull. Soc. Chim. Fr.*, 1962, 1832, (pmr)
Biellman, J.-F., *Bull. Soc. Chim. Fr.*, 1967, 3459, (stereochem)
Asakawa, J. *et al.*, *Tetrahedron*, 1977, **33**, 1935, (cmr)