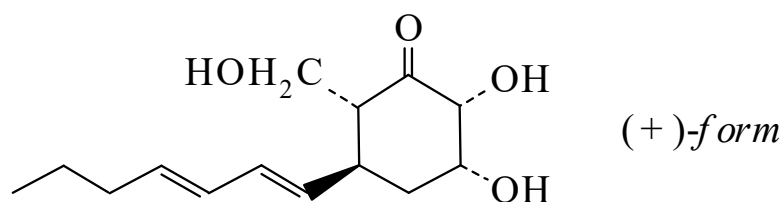




>>Entry Name: Palitantin

Synonym(s): 3-(1,3-Heptadienyl)-5,6-dihydroxy-2-(hydroxymethyl)cyclohexanone, 9Cl



Molecular Formula: C₁₄H₂₂O₄

Molecular Weight: 254.325

Accurate Mass: 254.15181

Percentage Composition: C 66.12%; H 8.72%; O 25.16%

>>Variant: (+)-form

CAS Registry Number: 15265-28-8

Molecular Formula: C₁₄H₂₂O₄

Molecular Weight: 254.325

Accurate Mass: 254.15181

Percentage Composition: C 66.12%; H 8.72%; O 25.16%

Biological Source: Metab. of various *Penicillium* spp.

Use/Importance: Has antifungal activity

Melting Point: Mp 164-165° (157-158°)

Optical Rotation: [α]_D +2 (c, 1.1 in CHCl₃)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; fairly sol. H₂O, Et₂O; poorly sol. hexane

UV: [neutral] λ_{max} 232 (ε 34000) (MeOH) (Berdy) [neutral] λ_{max} 232 (ε 34000) (EtOH) (Berdy) [neutral] λ_{max} 234 (ε 28840); 269 (ε 830); 280 (ε 616) (dioxan) (Berdy)

>>Variant: (±)-form

CAS Registry Number: 66211-90-3

Molecular Formula: C₁₄H₂₂O₄

Molecular Weight: 254.325

Accurate Mass: 254.15181

Percentage Composition: C 66.12%; H 8.72%; O 25.16%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 139-141°

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