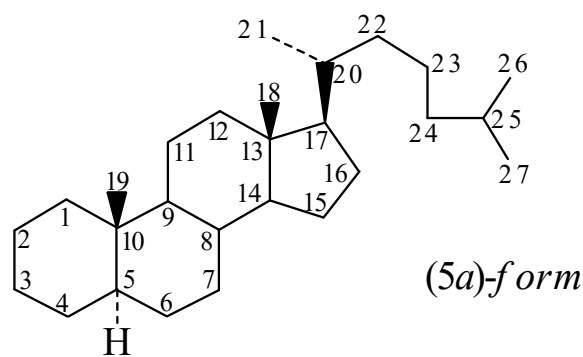




>>Entry Name: Cholestane



CAS Registry Number: 14982-53-7

Related CAS Registry Numbers(s): 25269-18-5 40071-70-3 41083-75-4 55123-81-4 55123-82-5 55176-78-8 67069-18-5 69483-40-5 69483-41-6 69483-42-7 69483-43-8 69483-44-9 69483-45-0 69483-46-1 69483-47-2 69483-48-3 74957-94-1 75023-02-8 101834-34-8 101834-35-9 105307-57-1 105307-58-2 105308-41-6

Molecular Formula: C₂₇H₄₈

Molecular Weight: 372.676

Accurate Mass: 372.3756

Percentage Composition: C 87.02%; H 12.98%

General Statement: Parent hydrocarbon of an important series of natural steroids incl. Cholest-5-en-3-ol [HKC02-A](#)

>>Variant: 5α-form

CAS Registry Number: 481-21-0

Molecular Formula: C₂₇H₄₈

Molecular Weight: 372.676

Accurate Mass: 372.3756

Percentage Composition: C 87.02%; H 12.98%

Physical Description: Plates

Melting Point: Mp 80-80.5°

Optical Rotation: [α]_D¹⁸+30.2 (CHCl₃)

Aldrich: 15032-0

Fluka: 26700

Sigma: C8003

Supelco: R42-6610

>>Variant: 5β-form

Synonym(s): Coprostane. ψ-Cholestane. Pseudocholestane

CAS Registry Number: 481-20-9

Molecular Formula: C₂₇H₄₈

Molecular Weight: 372.676

Accurate Mass: 372.3756

Percentage Composition: C 87.02%; H 12.98%

Physical Description: Needles (EtOH)

Melting Point: Mp 71-72°

Optical Rotation: [α]_D¹¹+25.07 (CHCl₃)

Sigma: C2005

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