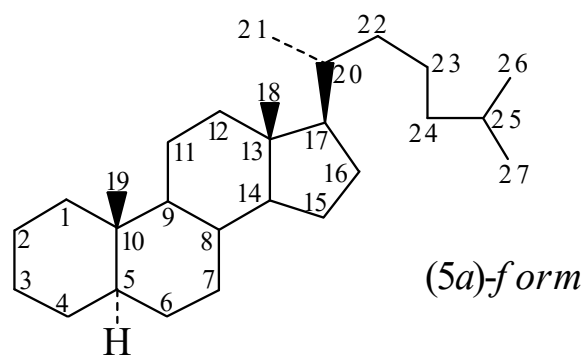




>>Entry Name: Cholestane



**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:** C<sub>27</sub>H<sub>48</sub>

**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:** C<sub>27</sub>H<sub>48</sub>

**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]<sub>D</sub><sup>18</sup>+30.2 (CHCl<sub>3</sub>)

**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:** C<sub>27</sub>H<sub>48</sub>

**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]<sub>D</sub><sup>11</sup>+25.07 (CHCl<sub>3</sub>)

**Sigma:** C2005

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