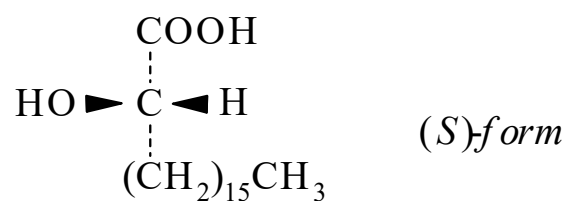




>>Entry Name: 2-Hydroxyoctadecanoic acid, 9CI

Synonym(s): 2-Hydroxystearic acid



CAS Registry Number: 629-22-1

Molecular Formula: C₁₈H₃₆O₃

Molecular Weight: 300.481

Accurate Mass: 300.266445

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Occurs in Actinomycete bacteria and the sphingolipids of the influenza virus

Use/Importance: Has mycobactericidal activity

Sigma: H9631

>>Variant: (S)-form

CAS Registry Number: 26531-80-6

Molecular Formula: C₁₈H₃₆O₃

Molecular Weight: 300.481

Accurate Mass: 300.266445

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Occurs in wool wax

Melting Point: Mp 76.5-77.5°

>>Derivative: Me ester

Molecular Formula: C₁₉H₃₈O₃

Molecular Weight: 314.507

Accurate Mass: 314.282095

Percentage Composition: C 72.56%; H 12.18%; O 15.26%

Melting Point: Mp 38.5-39.5°

Optical Rotation: [α]_D +3.8 (CHCl₃)

>>Variant: (±)-form

Molecular Formula: C₁₈H₃₆O₃

Molecular Weight: 300.481

Accurate Mass: 300.266445

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Melting Point: Mp 93°

>>Derivative: Me ester

CAS Registry Number: 2420-35-1

Melting Point: Mp 65.7-65.9°

Sigma: H7271

>>Derivative: Et ester

Molecular Formula: C₂₀H₄₀O₃

Molecular Weight: 328.534

Accurate Mass: 328.297745

Percentage Composition: C 73.12%; H 12.27%; O 14.61%

Melting Point: Mp 62-63°