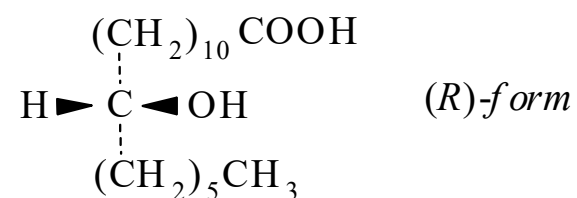




>>Entry Name: 12-Hydroxyoctadecanoic acid, 9CI

Synonym(s): 12-Hydroxystearic acid. Ceroxin GL



CAS Registry Number: 106-14-9

Related CAS Registry Numbers(s): 3159-62-4 7620-77-1

Molecular Formula: C₁₈H₃₆O₃

Molecular Weight: 300.481

Accurate Mass: 300.266445

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

Hazard & Toxicity: Exp. neoplastic agent

Aldrich: 21996-7

Fluka: 56440

>>Variant: (R)-form

CAS Registry Number: 5762-36-7

Molecular Formula: C₁₈H₃₆O₃

Molecular Weight: 300.481

Accurate Mass: 300.266445

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

Source/Synthesis: Produced by hydrogenation of (natural) 12-Hydroxy-9-octadecenoic acid [CQH85-N](#)

Use/Importance: Used in surface-active and lubricating formulations

>>Derivative: Me ester

CAS Registry Number: 6114-39-2

Molecular Formula: C₁₉H₃₈O₃

Molecular Weight: 314.507

Accurate Mass: 314.282095

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

Optical Rotation: [α]₃₀₀ −1.5 (MeOH). [α]_{Hg400} −0.8 (MeOH)

Sigma: H0646

>>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 78.5-78.9°

>>Derivative: Me ester

CAS Registry Number: 141-23-1

Melting Point: Mp 53.4-53.6°

Boiling Point: Bp₄ 204-206°

Hazard & Toxicity: Exp. neoplastic agent

References:

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