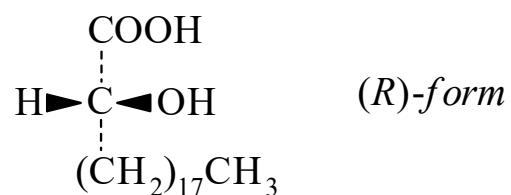




>>Entry Name: 2-Hydroxyeicosanoic acid

Synonym(s): 2-Hydroxyarachidic acid



Molecular Formula: C₂₀H₄₀O₃

Molecular Weight: 328.534

Accurate Mass: 328.297745

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

>>Variant: (R)-form

CAS Registry Number: 26632-14-4

Molecular Formula: C₂₀H₄₀O₃

Molecular Weight: 328.534

Accurate Mass: 328.297745

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

Biological Source: Constit. of brain cerebrosides

>>Variant: (±)-form

CAS Registry Number: 16742-48-6

Molecular Formula: C₂₀H₄₀O₃

Molecular Weight: 328.534

Accurate Mass: 328.297745

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

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 91-92°

Sigma: H5771

>>Derivative: Me ester

CAS Registry Number: 16742-49-7

Molecular Formula: C₂₁H₄₂O₃

Molecular Weight: 342.561

Accurate Mass: 342.313395

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Melting Point: Mp 62-64°

Sigma: H5896

>>Derivative: Et ester

Molecular Formula: C₂₂H₄₄O₃

Molecular Weight: 356.588

Accurate Mass: 356.329045

Percentage Composition: C 74.10%; H 12.44%; O 13.46%

Melting Point: Mp 62-63°

References:

Hammarström, S., *FEBS Lett.*, 1969, **5**, 192, (*config*)