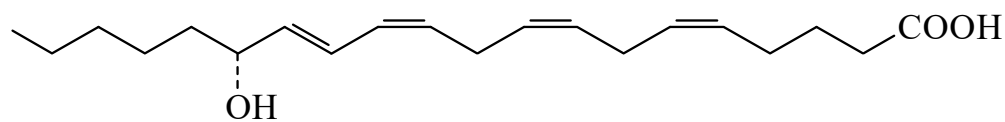




>>Entry Name: 15-Hydroxy-5,8,11,13-eicosatetraenoic acid

Synonym(s): 15-HETE



(5Z,8Z,11Z,13E,15R)-form

CAS Registry Number: 71030-36-9

Related CAS Registry Numbers(s): 73180-00-4 80574-96-5 118013-72-2

Extra CAS Registry Numbers(s): 69845-60-9

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Use/Importance: Endogenous ligand activating the peroxisome proliferator-activated receptor- γ (PPAR- γ)

>>Variant: (5Z,8Z,11Z,13E,15R)-form

CAS Registry Number: 83603-31-0

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Source: Metab. of arachidonic acid

>>Variant: (5Z,8Z,11Z,13E,15S)-form

CAS Registry Number: 54845-95-3

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Source: Metab. of arachidonic acid

Fluka: 55247

Sigma: H1142

>>Variant: (5Z,8Z,11Z,13E)-form

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

>>Derivative: 15-Oxo

Synonym(s): 15-Oxo-5,8,11,13-eicosatetraenoic acid. 15-Oxo-ETE. 15-KETE

CAS Registry Number: 81416-72-0

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

Use/Importance: Inhibits 5- and 12-lipoxygenase

References: