



Biological Source: Produced by *Ascaris lumbricoides*

Boiling Point: Bp₇ 100°

Optical Rotation: $[\alpha]_{\text{D}}^{16} +17.15$ (neat)

>>Derivative: Et ester

CAS Registry Number: 28959-02-6

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Boiling Point: Bp₄ 78-80°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +5.67$ (Et₂O)

Aldrich: W34880-5

>>Derivative: Chloride

CAS Registry Number: 25548-83-8

Molecular Formula: C₆H₁₁ClO

Molecular Weight: 134.605

Accurate Mass: 134.049842

Percentage Composition: C 53.54%; H 8.24%; Cl 26.34%; O 11.89%

Boiling Point: Bp₁₅ 45-48°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +4.06$

>>Derivative: Amide

CAS Registry Number: 34241-22-0

Molecular Formula: C₆H₁₃NO

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 78°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +5.79$ (EtOH aq.)

>>Variant: (±)-form

CAS Registry Number: 22160-39-0

Molecular Formula: C₆H₁₂O₂

Molecular Weight: 116.16

Accurate Mass: 116.08373

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Use/Importance: Flavouring ingredient

Boiling Point: Bp 192-193.6°

Density: d₄⁰ 0.941

pKa Value: pK_a 4.78 (25°)

Refractive Index: n_D²⁰ 1.4136

Fluka: 69643

>>Derivative: Me ester

Synonym(s): FEMA 3707

CAS Registry Number: 2177-77-7

Use/Importance: Flavouring ingredient

Physical Description: Pale yellow liq

Boiling Point: Bp_{0.2} 45°

Density: d²⁰ 0.88

Refractive Index: n_D²⁰ 1.4012

>>Derivative: Et ester

Synonym(s): FEMA 3488

CAS Registry Number: 39255-32-8