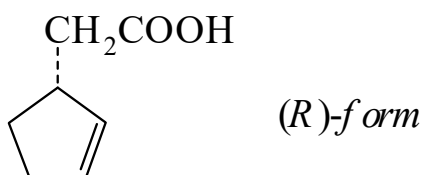




>>Entry Name: 2-Cyclopentene-1-acetic acid



CAS Registry Number: 13668-61-6

Molecular Formula: C₇H₁₀O₂

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Aldrich: C11285-2

>>Variant: (R)-form

CAS Registry Number: 696-67-3

Molecular Formula: C₇H₁₀O₂

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Optical Rotation: [α]_D²⁴ -66 (c, 2 in CHCl₃)

>>Derivative: Me ester

CAS Registry Number: 67920-83-6

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Optical Rotation: [α]_D²⁵ -58.3 (c, 1.4 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 67886-21-9

Molecular Formula: C₇H₁₀O₂

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Physical Description: Pale yellow oil

Optical Rotation: [α]_D²⁴ +107.4 (c, 0.38 in CHCl₃)

>>Derivative: Me ester

CAS Registry Number: 67920-82-5

Optical Rotation: [α]_D²⁵ +45 (c, 0.94 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 75247-34-6

Molecular Formula: C₇H₁₀O₂

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Melting Point: Mp 19°

Boiling Point: Bp_{2.5} 93-94°

>>Derivative: Me ester

CAS Registry Number: 20006-85-3

Boiling Point: Bp₂₀ 77-78°

References: