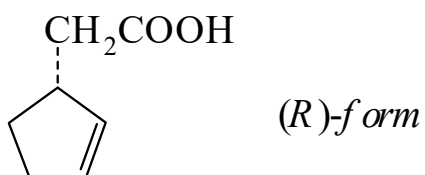




>>Entry Name: 2-Cyclopentene-1-acetic acid



CAS Registry Number: 13668-61-6

Molecular Formula: $C_7H_{10}O_2$

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: $C_7H_{10}O_2$

Molecular Weight: 126.155

Accurate Mass: 126.06808

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

Optical Rotation: $[\alpha]_D^{24} -66$ (c, 2 in $CHCl_3$)

>>Derivative: Me ester

CAS Registry Number: 67920-83-6

Molecular Formula: $C_8H_{12}O_2$

Molecular Weight: 140.182

Accurate Mass: 140.08373

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

Optical Rotation: $[\alpha]_D^{25} -58.3$ (c, 1.4 in $CHCl_3$)

>>Variant: (S)-form

CAS Registry Number: 67886-21-9

Molecular Formula: $C_7H_{10}O_2$

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: $[\alpha]_D^{24} +107.4$ (c, 0.38 in $CHCl_3$)

>>Derivative: Me ester

CAS Registry Number: 67920-82-5

Optical Rotation: $[\alpha]_D^{25} +45$ (c, 0.94 in $CHCl_3$)

>>Variant: ($\pm$)-form

CAS Registry Number: 75247-34-6

Molecular Formula: $C_7H_{10}O_2$

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} $93-94^\circ$

>>Derivative: Me ester

CAS Registry Number: 20006-85-3

Boiling Point: Bp₂₀ $77-78^\circ$

References: