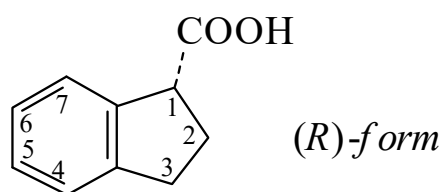




>>Entry Name: 1-Indanecarboxylic acid

Synonym(s): 2,3-Dihydro-1*H*-indene-1-carboxylic acid, 9CI. Hydrindene-1-carboxylic acid. Hydrindenic acid



CAS Registry Number: 14381-42-1

Related CAS Registry Numbers(s): 36330-15-1 36330-16-2 73392-00-4

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

>>Variant: (*R*)-form

CAS Registry Number: 877-01-0

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Melting Point: Mp 45.7-46.6°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +43.3$ (C₆H₆)

Other Data: Opt. rotn. given is the highest of several recorded in different solvs.

>>Variant: (*S*)-form

CAS Registry Number: 68000-22-6

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Melting Point: Mp 45.7-46.6°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -43.3$ (C₆H₆)

>>Variant: (±)-form

CAS Registry Number: 703-79-7

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 59-60° (56.5-57°)

>>Derivative: Me ester

CAS Registry Number: 26452-96-0

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Physical Description: Liq.

Boiling Point: Bp₁₃ 130-133°

>>Derivative: Et ester

CAS Registry Number: 64959-10-0

Molecular Formula: C₁₂H₁₄O₂

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Physical Description: Liq.

Boiling Point: Bp₃₀ 155-156°