



>>Entry Name: 2-Indanecarboxylic acid

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

CAS Registry Number: 25177-85-9

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. (H₂O)

Melting Point: Mp 130°

Boiling Point: Bp₁₈ 182-192°

>>Derivative: Me ester

CAS Registry Number: 4254-32-4

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

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

Physical Description: Low-melting solid

Boiling Point: Bp₆₀ 170°

>>Derivative: Chloride

CAS Registry Number: 54672-55-8

Molecular Formula: C₁₀H₉ClO

Molecular Weight: 180.633

Accurate Mass: 180.034192

Percentage Composition: C 66.49%; H 5.02%; Cl 19.63%; O 8.86%

Physical Description: Cryst.

Melting Point: Mp 35-38°

Boiling Point: Bp₁₀₀ 180°

>>Derivative: Amide

Molecular Formula: C₁₀H₁₁NO

Molecular Weight: 161.203

Accurate Mass: 161.084064

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 178°

References:

Perkin, W.H. *et al.*, *J.C.S.*, 1894, 228, (*synth*)