



**>>Entry Name: 2-Indanecarboxylic acid**

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

**CAS Registry Number:** 25177-85-9

**Molecular Formula:** C<sub>10</sub>H<sub>10</sub>O<sub>2</sub>

**Molecular Weight:** 162.188

**Accurate Mass:** 162.06808

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

**Physical Description:** Cryst. (H<sub>2</sub>O)

**Melting Point:** Mp 130°

**Boiling Point:** Bp<sub>18</sub> 182-192°

**>>Derivative:** Me ester

**CAS Registry Number:** 4254-32-4

**Molecular Formula:** C<sub>11</sub>H<sub>12</sub>O<sub>2</sub>

**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:** Bp<sub>60</sub> 170°

**>>Derivative:** Chloride

**CAS Registry Number:** 54672-55-8

**Molecular Formula:** C<sub>10</sub>H<sub>9</sub>ClO

**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:** Bp<sub>100</sub> 180°

**>>Derivative:** Amide

**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>NO

**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*)