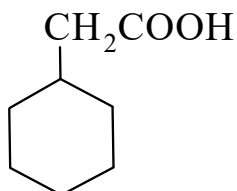




>>Entry Name: Cyclohexaneacetic acid

ENTRY UNDER REVIEW

Synonym(s): Hexahydrophenylacetic acid. FEMA 2347



CAS Registry Number: 5292-21-7

Molecular Formula:  $\text{C}_8\text{H}_{14}\text{O}_2$

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Use/Importance: Flavouring ingredient

Physical Description: Needles ( $\text{HCOOH}$ )

Melting Point: Mp  $33^\circ$  ( $27^\circ$ )

Boiling Point: Bp  $244\text{-}246^\circ$ . Bp<sub>13</sub>  $135^\circ$

Solubility: Spar. sol.  $\text{H}_2\text{O}$

Aldrich: W23470-2

Fluka: 29382

>>Derivative: Me ester

CAS Registry Number: 14352-61-5

Molecular Formula:  $\text{C}_9\text{H}_{16}\text{O}_2$

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Boiling Point: Bp  $200\text{-}202^\circ$ . Bp<sub>15</sub>  $90\text{-}95^\circ$

Aldrich: 20960-0

>>Derivative: Et ester

CAS Registry Number: 5452-75-5

Molecular Formula:  $\text{C}_{10}\text{H}_{18}\text{O}_2$

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Use/Importance: Used in perfumery

Aldrich: E2070-5

Fluka: 29390

>>Derivative: 2-Propenyl ester

Synonym(s): Allyl cyclohexylacetate

Molecular Formula:  $\text{C}_{11}\text{H}_{18}\text{O}_2$

Molecular Weight: 182.262

Accurate Mass: 182.13068

Percentage Composition: C 72.49%; H 9.95%; O 17.56%

Physical Description: Used in perfumery

>>Derivative: Chloride

CAS Registry Number: 23860-35-7

Molecular Formula:  $\text{C}_8\text{H}_{13}\text{ClO}$

Molecular Weight: 160.643

Accurate Mass: 160.065492

Percentage Composition: C 59.81%; H 8.16%; Cl 22.07%; O 9.96%

Boiling Point: Bp<sub>23</sub>  $98\text{-}100^\circ$