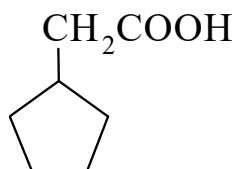




>>Entry Name: Cyclopentaneacetic acid, 9CI



CAS Registry Number: 1123-00-8

Molecular Formula: $\text{C}_7\text{H}_{12}\text{O}_2$

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Physical Description: Plates or liq.

Melting Point: Mp 13-14°

Boiling Point: Bp 226-230°. Bp₂₆ 139-140°

Aldrich: 12549-0

>>Derivative: Et ester

CAS Registry Number: 18322-54-8

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 191-192°

Rare Chemicals Library: S43310-1

>>Derivative: Chloride

CAS Registry Number: 1122-99-2

Molecular Formula: $\text{C}_7\text{H}_{11}\text{ClO}$

Molecular Weight: 146.616

Accurate Mass: 146.049842

Percentage Composition: C 57.35%; H 7.56%; Cl 24.18%; O 10.91%

Physical Description: Liq.

Boiling Point: Bp₁₀ 55°

>>Derivative: Amide

CAS Registry Number: 933-04-0

Molecular Formula: $\text{C}_7\text{H}_{13}\text{NO}$

Molecular Weight: 127.186

Accurate Mass: 127.099714

Percentage Composition: C 66.11%; H 10.30%; N 11.01%; O 12.58%

Melting Point: Mp 145.5-146.5°

>>Derivative: Nitrile

Synonym(s): Cyclopentaneacetonitrile, 9CI. (Cyanomethyl)cyclopentane

CAS Registry Number: 5732-87-6

Molecular Formula: $\text{C}_7\text{H}_{11}\text{N}$

Molecular Weight: 109.171

Accurate Mass: 109.089149

Percentage Composition: C 77.01%; H 10.16%; N 12.83%

Physical Description: Liq.

Boiling Point: Bp₂₀ 91°

References: