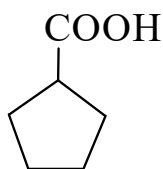




>>Entry Name: Cyclopentanecarboxylic acid, 9CI



CAS Registry Number: 3400-45-1

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Melting Point: Fp -9° (-4° to -3°)

Boiling Point: Bp 215-216°. Bp₁₁ 104°

Density: d₄²⁰ 1.051

Aldrich: C11200-3

Fluka: 29710

>>Derivative: Me ester

CAS Registry Number: 4630-80-2

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

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

Physical Description: Liq.

Boiling Point: Bp 150°

>>Derivative: Chloride

CAS Registry Number: 4524-93-0

Molecular Formula: C₆H₉ClO

Molecular Weight: 132.589

Accurate Mass: 132.034192

Percentage Composition: C 54.35%; H 6.84%; Cl 26.74%; O 12.07%

Boiling Point: Bp 160-162°

Aldrich: 32831-6

>>Derivative: Amide

CAS Registry Number: 3217-94-5

Molecular Formula: C₆H₁₁NO

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Melting Point: Mp 179°

>>Derivative: Nitrile

Synonym(s): Cyclopentanenitrile. Cyanocyclopentane

CAS Registry Number: 4254-02-8

Molecular Formula: C₆H₉N

Molecular Weight: 95.144

Accurate Mass: 95.073499

Percentage Composition: C 75.74%; H 9.53%; N 14.72%

Boiling Point: Bp 170-171°

Aldrich: 36647-1

Fluka: 29720

Sigma: C1670

>>Derivative: Anhydride

Molecular Formula: C₁₂H₁₈O₃

Molecular Weight: 210.272

Accurate Mass: 210.125595

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Boiling Point: Bp₁₈ 157-158°