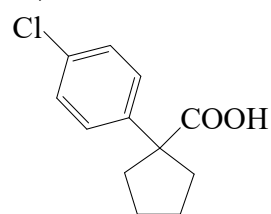




>>Entry Name: 1-(4-Chlorophenyl)-1-cyclopentanecarboxylic acid, 9Cl, 8Cl



CAS Registry Number: 80789-69-1

Molecular Formula: $C_{12}H_{13}ClO_2$

Molecular Weight: 224.686

Accurate Mass: 224.060407

Percentage Composition: C 64.15%; H 5.83%; Cl 15.78%; O 14.24%

Melting Point: Mp 162-164° (150-151°)

Aldrich: 14156-9

>>Derivative: Chloride

Molecular Formula: $C_{12}H_{12}Cl_2O$

Molecular Weight: 243.132

Accurate Mass: 242.026519

Percentage Composition: C 59.28%; H 4.97%; Cl 29.16%; O 6.58%

Boiling Point: Bp₁₀ 165.7°

Density: d²⁰ 1.245

Refractive Index: n_D²⁰ 1.5580

>>Derivative: Nitrile

Synonym(s): 1-(4-Chlorophenyl)-1-cyanocyclopentane

Molecular Formula: $C_{12}H_{12}ClN$

Molecular Weight: 205.686

Accurate Mass: 205.065826

Percentage Composition: C 70.07%; H 5.88%; Cl 17.24%; N 6.81%

Boiling Point: Bp 158-160°

Density: d²⁰ 1.16

Refractive Index: n_D²⁰ 1.5330

References:

Mondzhoyan, A.L. *et al.*, *Izv. Akad. Nauk Arm. SSR, Khim. Nauki*, 1963, **16**, 359; *CA*, **60**, 11933f, (*synth, derivs*)