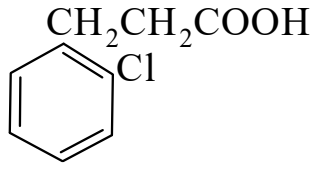
>>**Entry Name: 3-(2-Chlorophenyl)propanoic acid**
Synonym(s): 2-Chlorobenzenepropanoic acid, 9Cl. *o*-Chlorohydrocinnamic acid, 8Cl. 3-*o*-Chlorophenylpropionic acid



CAS Registry Number: 1643-28-3

Molecular Formula: $C_9H_9ClO_2$
Molecular Weight: 184.622
Accurate Mass: 184.029107
Percentage Composition: C 58.55%; H 4.91%; Cl 19.20%; O 17.33%
Physical Description: Needles or leaflets (H_2O, EtOH or C_6H_6/petrol)
Melting Point: Mp 102° (94.5-95.5°, 96-99°)
pKa Value: pK_a 4.58

Rare Chemicals Library: S38021-0

>>**Derivative:** Me ester

Molecular Formula: $C_{10}H_{11}ClO_2$
Molecular Weight: 198.648
Accurate Mass: 198.044757
Percentage Composition: C 60.46%; H 5.58%; Cl 17.85%; O 16.11%
Physical Description: Liq.
Boiling Point: Bp 255°

>>**Derivative:** Chloride

CAS Registry Number: 52085-97-9
Molecular Formula: $C_9H_8Cl_2O$
Molecular Weight: 203.067
Accurate Mass: 201.995219
Percentage Composition: C 53.23%; H 3.97%; Cl 34.92%; O 7.88%
Physical Description: Liq.
Boiling Point: Bp_{26} 147.5-149°

>>**Derivative:** Amide

Molecular Formula: $C_9H_{10}ClNO$
Molecular Weight: 183.637
Accurate Mass: 183.045091
Percentage Composition: C 58.87%; H 5.49%; Cl 19.31%; N 7.63%; O 8.71%
Physical Description: Needles (C_6H_6)
Melting Point: Mp 119°

>>**Derivative:** Nitrile

CAS Registry Number: 7315-17-5
Molecular Formula: C_9H_8ClN
Molecular Weight: 165.622
Accurate Mass: 165.034526
Percentage Composition: C 65.27%; H 4.87%; Cl 21.41%; N 8.46%
Physical Description: Liq.
Boiling Point: Bp 267-268°
Aldrich: 34663-2
Rare Chemicals Library: S50066-6

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1482C, *(nmr)*
Fieser, L.F. *et al.*, *J.A.C.S.*, 1937, **59**, 394, *(synth)*
Grebenyuk, A.D. *et al.*, *Zh. Obshch. Khim.*, 1955, **25**, 269; *CA*, **50**, 1639, *(synth)*
Tóth, G. *et al.*, *Synth. Commun.*, 1995, **25**, 3067, *(synth)*