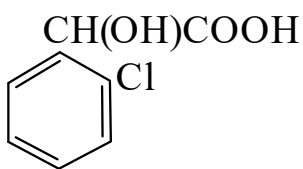




>>Entry Name: 2-(2-Chlorophenyl)-2-hydroxyacetic acid

Synonym(s): 2-Chloro- α -hydroxybenzeneacetic acid, 9Cl. *o*-Chloromandelic acid, 8Cl. *o*-Chlorophenylglycollic acid



CAS Registry Number: 10421-85-9

Molecular Formula: C₈H₇ClO₃

Molecular Weight: 186.594

Accurate Mass: 186.008372

Percentage Composition: C 51.50%; H 3.78%; Cl 19.00%; O 25.72%

>>Variant: ($\pm$)-form

Molecular Formula: C₈H₇ClO₃

Molecular Weight: 186.594

Accurate Mass: 186.008372

Percentage Composition: C 51.50%; H 3.78%; Cl 19.00%; O 25.72%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 82-83°

pKa Value: pK_{a1} 3.31 (25°)

Other Data: Opt. active forms also known

>>Derivative: Nitrile

Synonym(s): *o*-Chloromandelonitrile

CAS Registry Number: 13312-84-0

Molecular Formula: C₈H₆ClNO

Molecular Weight: 167.594

Accurate Mass: 167.013791

Percentage Composition: C 57.33%; H 3.61%; Cl 21.15%; N 8.36%; O 9.55%

Physical Description: Cryst.

Melting Point: Mp 47°

References:

Karrer, P., *Helv. Chim. Acta*, 1921, **4**, 144, (*synth*)

Compere, E.L. *et al.*, *J.O.C.*, 1968, **33**, 2565, (*synth*)

Collet, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1973, 3330, (*synth*)