



>>Entry Name: (3,4-Dichlorophenyl)acetic acid, 8Cl

Synonym(s): 3,4-Dichlorobenzeneacetic acid, 9Cl

CAS Registry Number: 5807-30-7

Molecular Formula: C₈H₆Cl₂O₂

Molecular Weight: 205.04

Accurate Mass: 203.974484

Percentage Composition: C 46.86%; H 2.95%; Cl 34.58%; O 15.61%

Physical Description: Needles (C₆H₆/petrol)

Melting Point: Mp 83.5-84.5°

Aldrich: 28000-3

>>Derivative: Nitrile

Synonym(s): 3,4-Dichlorobenzyl cyanide

CAS Registry Number: 3218-49-3

Molecular Formula: C₈H₅Cl₂N

Molecular Weight: 186.04

Accurate Mass: 184.979903

Percentage Composition: C 51.65%; H 2.71%; Cl 38.11%; N 7.53%

Melting Point: Mp 40-42°

Boiling Point: Bp₁₂ 170°

Aldrich: 23247-5

Fluka: 35530

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1030B; 1498B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 436D, (*ir, nitrile*)

May, E.L. *et al.*, *J.O.C.*, 1946, **11**, 631, (*synth*)

Mahajanshetti, C.S. *et al.*, *CA*, 1964, **61**, 5554f, (*synth*)

Marcot, B. *et al.*, *Rev. Roum. Chim.*, 1975, **20**, 91, (*synth*)