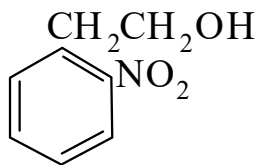




>>Entry Name: 2-(2-Nitrophenyl)ethanol

Synonym(s): 2-Nitrobenzeneethanol, 9Cl. *o*-Nitrophenethyl alcohol, 8Cl. β -Hydroxyethyl-*o*-nitrobenzene



CAS Registry Number: 15121-84-3

Molecular Formula: $C_8H_9NO_3$

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Physical Description: Needles

Melting Point: Mp 54-55°

Boiling Point: Bp₅ 166-167°. Bp_{0.7} 128°

Aldrich: 18347-4

>>Derivative: Ac

CAS Registry Number: 833-43-2

Molecular Formula: $C_{10}H_{11}NO_4$

Molecular Weight: 209.201

Accurate Mass: 209.068809

Percentage Composition: C 57.41%; H 5.30%; N 6.70%; O 30.59%

Boiling Point: Bp_{0.3} 110-114°

>>Derivative: Benzoyl

Molecular Formula: $C_{15}H_{13}NO_4$

Molecular Weight: 271.272

Accurate Mass: 271.084459

Percentage Composition: C 66.41%; H 4.83%; N 5.16%; O 23.59%

Physical Description: Plates (petrol)

Melting Point: Mp 55°

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 683B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1332B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1185B, (*ir*)

De Lestrang, Y. *et al.*, *Bull. Soc. Chim. Fr.*, 1931, **49**, 3; 1933, **53**, 330, (*synth*)

Lloyd, J.B.F. *et al.*, *Tetrahedron*, 1964, **20**, 2185

Portoghese, P.S. *et al.*, *J. Med. Chem.*, 1977, **20**, 1020

Torii, S. *et al.*, *J.O.C.*, 1986, **51**, 3143, (*synth, ir, pmr*)