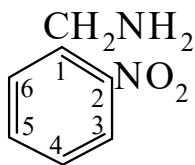




>>Entry Name: 2-Nitrobenzylamine

Synonym(s): 2-Nitrobenzenemethanamine, 9Cl. α -Amino-2-nitrotoluene. 1-Aminomethyl-2-nitrobenzene



CAS Registry Number: 1904-78-5

Molecular Formula: $C_7H_8N_2O_2$

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Physical Description: Nonvolatile liq.

Solubility: Sol. H_2O

>>Derivative: Hydrochloride

CAS Registry Number: 24835-08-3

Melting Point: Mp 246-248°

>>Derivative: *N*-Ac

CAS Registry Number: 56222-09-4

Molecular Formula: $C_9H_{10}N_2O_3$

Molecular Weight: 194.19

Accurate Mass: 194.069143

Percentage Composition: C 55.67%; H 5.19%; N 14.43%; O 24.72%

Physical Description: Needles

Melting Point: Mp 97-99°

>>Derivative: *N*-Benzoyl

Molecular Formula: $C_{14}H_{12}N_2O_3$

Molecular Weight: 256.26

Accurate Mass: 256.084793

Percentage Composition: C 65.62%; H 4.72%; N 10.93%; O 18.73%

Physical Description: Needles (EtOH)

Melting Point: Mp 110°

References:

Ing, H.R., *J.C.S.*, 1926, 2348, (*synth*)

Southwick, P.L. *et al.*, *J.A.C.S.*, 1958, **80**, 1168, (*synth*)

Ong-Lee, A. *et al.*, *J. Het. Chem.*, 1983, **20**, 1565, (*synth*)