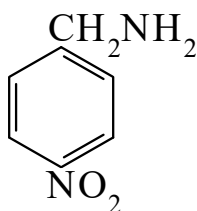




>>Entry Name: 4-Nitrobenzylamine

Synonym(s): 1-(Aminomethyl)-4-nitrobenzene. 4-Nitrobenzenemethanamine



CAS Registry Number: 7409-30-5

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

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

Physical Description: Needles

Melting Point: Mp 39-40°

>>Derivative: Hydrochloride

CAS Registry Number: 18600-42-5

Melting Point: Mp 256 dec.°

Aldrich: 19143-4

Fluka: 73164

>>Derivative: N-Ac

CAS Registry Number: 56222-10-7

Molecular Formula: C₉H₁₀N₂O₃

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 (H₂O)

Melting Point: Mp 133°

Rare Chemicals Library: S32914-2

>>Derivative: N-Benzoyl

CAS Registry Number: 34907-24-9

Molecular Formula: C₁₄H₁₂N₂O₃

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 155-156°

>>Derivative: N-Propyl

CAS Registry Number: 62869-74-3

Molecular Formula: C₁₀H₁₄N₂O₂

Molecular Weight: 194.233

Accurate Mass: 194.105528

Percentage Composition: C 61.84%; H 7.26%; N 14.42%; O 16.47%

Use/Importance: Used for photometric detn. of isocyanates, reagent for tlc of isocyanates

Melting Point: Mp 230-232° (as hydrochloride)

>>Derivative: N,N,N-Tri-Me

References:

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Keller, J. *et al.*, *Anal. Chem.*, 1974, **46**, 184; 1979, **51**, 1868, (synth, N-propyl, use)

Hastings, V. *et al.*, *J. Chromatogr.*, 1977, **134**, 451, (synth, N-propyl, use)

Bagon, D.A. *et al.*, *J. Chromatogr.*, 1980, **190**, 175, (N-propyl, use)

Graham, J.D., *J. Chromatogr. Sci.*, 1980, **18**, 384, (N-propyl, use)