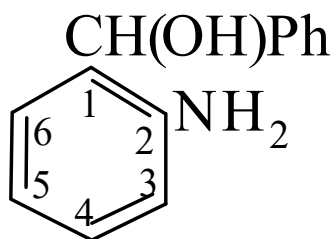




>>Entry Name: 2-Aminodiphenylmethanol

Synonym(s): 2-Amino- α -phenylbenzenemethanol, 9Cl. *o*-Aminobenzhydrol, 8Cl. *o*-Aminodiphenylcarbinol



CAS Registry Number: 13209-38-6

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

>>Variant: (+)-form

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 108°

Optical Rotation: $[\alpha]_D^{19} +2.72$ (c, 2.1 in CHCl₃). $[\alpha]_D^{20} -3.55$ (c, 2.0 in EtOH)

>>Variant: (±)-form

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Physical Description: Prisms (EtOH)

Melting Point: Mp 120°

>>Derivative: *N*-Ac

Molecular Formula: C₁₅H₁₅NO₂

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

Physical Description: Needles (EtOH)

Melting Point: Mp 118°

References:

Gabriel, S. *et al.*, *Ber.*, 1896, **29**, 1300, (*synth*)

Ruggli, P. *et al.*, *Helv. Chim. Acta*, 1941, **24**, 703, (*synth*)

Puckowski, R.T. *et al.*, *J.C.S.*, 1959, 3555, (*synth, resoln*)