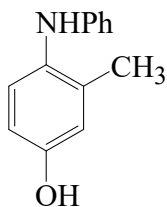




>>Entry Name: 4-Hydroxy-2-methyldiphenylamine

Synonym(s): 3-Methyl-4-(phenylamino)phenol, 9Cl. 4-Anilino-*m*-cresol, 8Cl



CAS Registry Number: 17654-13-6

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%

Physical Description: Cryst.

Melting Point: Mp 88-89°

>>Derivative: *O*-Ac

CAS Registry Number: 17654-15-8

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: Cryst.

Melting Point: Mp 80-81°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2-methyl-*N*-phenylbenzenamine, 9Cl. 4-Methoxy-2-methyldiphenylamine

CAS Registry Number: 41317-15-1

Molecular Formula: C₁₄H₁₅NO

Molecular Weight: 213.279

Accurate Mass: 213.115364

Percentage Composition: C 78.84%; H 7.09%; N 6.57%; O 7.50%

Use/Importance: Intermed. for chromogenic fluoran dyes

Boiling Point: Bp₄ 165-171°

References:

Burmistrov, S.I. *et al.*, *CA*, 1968, **68**, 86936y, (*synth*)

Ger. Pat., 1973, 2 244 873; *CA*, **78**, 147534w, (*Me ether, synth*)

Sunagawa, G. *et al.*, *CA*, 1980, **54**, 6728h, (*Me ether*)