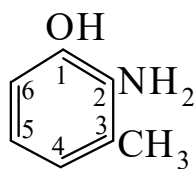




>>Entry Name: 2-Amino-3-methylphenol, 9Cl

Synonym(s): 2-Amino-*m*-cresol, 8Cl. 6-Hydroxy-*o*-toluidine



CAS Registry Number: 2835-97-4

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Physical Description: Plates (C₆H₆)

Melting Point: Mp 150°

Aldrich: 33657-2

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₄H₁₃NO₂

Molecular Weight: 227.262

Accurate Mass: 227.094629

Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%

Melting Point: Mp 189°

>>Derivative: *O,N*-Dibenzoyl

Molecular Formula: C₂₁H₁₇NO₃

Molecular Weight: 331.37

Accurate Mass: 331.120844

Percentage Composition: C 76.12%; H 5.17%; N 4.23%; O 14.48%

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 155-156°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-6-methylaniline. 6-Methyl-*o*-anisidine

CAS Registry Number: 50868-73-0

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Melting Point: Mp 26-29°

Boiling Point: Bp_{0.15} 62°

Aldrich: 36009-0

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 494B, (*nmr*)

Hodgson, H.H. *et al.*, *J.C.S.*, 1925, **127**, 498

Boyland, E. *et al.*, *J.C.S.*, 1954, 980

Musso, H. *et al.*, *Chem. Ber.*, 1961, **94**, 2551; 1964, **97**, 2076, (*synth, ir*)