



>>Entry Name: 2-Amino-6-methylphenol, 9Cl

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

CAS Registry Number: 17672-22-9

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 (H₂O or CCl₄)

Melting Point: Mp 89°

>>Derivative: *N*-Ac

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Physical Description: Prisms (CCl₄)

Melting Point: Mp 78-79°

>>Derivative: *O*-(4-Methylbenzenesulfonyl)

Melting Point: Mp 89-90°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-3-methylaniline. 3-Amino-2-methoxytoluene

CAS Registry Number: 18102-30-2

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%

Boiling Point: Bp 223°. Bp₁₁ 109-110°

>>Derivative: Me ether; hydrochloride

Physical Description: Cryst.

Melting Point: Mp 168°

>>Derivative: Me ether, *N*-Ac

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Physical Description: Needles (H₂O)

Melting Point: Mp 100-101°

References:

Hofmann, K.A. *et al.*, *Ber.*, 1881, **14**, 570

Proskouriakoff, A. *et al.*, *J.A.C.S.*, 1930, **52**, 3982

Barnes, J.H. *et al.*, *J.C.S.*, 1954, 1159