



>>Entry Name: 4-Amino-3,5-dimethylphenol, 9CI

Synonym(s): 4-Amino-3,5-xyleneol, 8CI. 2-Amino-5-hydroxy-*m*-xylene

CAS Registry Number: 3096-70-6

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%

Physical Description: Cryst. (CHCl₃ or petrol/toluene)

Melting Point: Mp 180-181°

>>Derivative: *N*-Ac

CAS Registry Number: 6337-56-0

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

Melting Point: Mp 178-180°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2,6-dimethylaniline. 2,6-Dimethyl-*p*-anisidine

CAS Registry Number: 34743-49-2

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Leaflets (petrol)

Melting Point: Mp 43°

References:

Albert, H.E. *et al.*, *J.A.C.S.*, 1954, **76**, 4985, (*synth*)

Boyland, E. *et al.*, *J.C.S.*, 1958, 4198, (*synth*)

Kjaer, A.M. *et al.*, *J.A.C.S.*, 1988, **110**, 3874, (*synth*)