



>>Entry Name: 4-Amino-2-methylphenol, 9CI
Synonym(s): 4-Amino-*o*-cresol, 8CI. 4-Hydroxy-*m*-toluidine

CAS Registry Number: 2835-96-3

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: Needles (C₆H₆)
Melting Point: Mp 175°
Other Data: Sublimes

>>Derivative: *N*-Ac

CAS Registry Number: 16375-90-9
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: Needles (H₂O)
Melting Point: Mp 179°

>>Derivative: *O,N*-Di-Ac

Molecular Formula: C₁₁H₁₃NO₃
Molecular Weight: 207.229
Accurate Mass: 207.089544
Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%
Melting Point: Mp 101°

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

Physical Description: Needles (C₆H₆/petrol)
Melting Point: Mp 109-110°

>>Derivative: Me ether
Synonym(s): 4-Methoxy-3-methylaniline. 5-Amino-2-methoxytoluene

CAS Registry Number: 136-90-3
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. (EtOH aq.)
Melting Point: Mp 59-59.5°
Boiling Point: Bp_{0.5} 100-105°
Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 2210 mg/kg

>>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: Cryst. (EtOH aq.)
Melting Point: Mp 103-103.5°

References:

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