



--Entry Name: 5-Amino-1,3-benzenedial, 9CI
Synonym(s): 5-Aminoresorcinol, 8CI, 3,5-Dihydroxyaniline, Phloramine
CAS Registry Number: 20734-67-2
Related CAS Registry Number(s): 6318-56-5

Molecular Formula: C₆H₆NO₂
Molecular Weight: 125.127
Accurate Mass: 125.047679
Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%
Use/Importance: Used in hair dyes
Physical Description: Fine needles
Melting Point: Mp 146-152°
pKa Value: pKa₁ 7.88; pKa₂ 9.23; pKa₃ 11.16 (20°)

-->Derivative: G.O.N-Tri-Ac

Molecular Formula: C₁₂H₉NO₅
Molecular Weight: 251.238
Accurate Mass: 251.070374
Percentage Composition: C 57.37%; H 5.22%; N 5.58%; O 31.84%
Physical Description: Cryst. powder
Melting Point: Mp 119-121°

-->Derivative: Di-Me ether
Synonym(s): 3,5-Dimethoxyaniline

CAS Registry Number: 10272-07-8
Molecular Formula: C₇H₉NO₂
Molecular Weight: 153.18
Accurate Mass: 153.078979
Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%
Physical Description: Cryst.
Melting Point: Mp 46°
Boiling Point: Bp₁₂ 177°
pKa Value: pKa 3.86 (25°)
Aldrich: D13300-1
Fluka: 3860
Sigma: D5387

-->Derivative: Di-Me ether, N-benzoyl

Molecular Formula: C₁₃H₉NO₃
Molecular Weight: 237.288
Accurate Mass: 237.05194
Percentage Composition: C 70.02%; H 5.88%; N 5.44%; O 18.66%
Melting Point: Mp 139°

References:
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Dean, N.B. *et al.*, *J.C.S.*, 1954, 4638, (deriv)
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