



>>Entry Name: **5-Amino-1,3-benzenediol**, 9CI

Synonym(s): 5-Aminoresorcinol, 8CI. 3,5-Dihydroxyaniline. Phloramine

CAS Registry Number: 20734-67-2

Related CAS Registry Numbers(s): 6318-56-5

Molecular Formula: C₆H₇NO₂

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: pK_{a1} 7.88; pK_{a2} 9.23; pK_{a3} 11.16 (20°)

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

Molecular Formula: C₁₂H₁₃NO₅

Molecular Weight: 251.238

Accurate Mass: 251.079374

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: C₈H₁₁NO₂

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: pK_a 3.86 (25°)

Aldrich: D13000-1

Fluka: 38600

Sigma: D5387