



---

>>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:** C<sub>6</sub>H<sub>7</sub>NO<sub>2</sub>

**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<sub>a1</sub> 7.88; pK<sub>a2</sub> 9.23; pK<sub>a3</sub> 11.16 (20°)

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

**Molecular Formula:** C<sub>12</sub>H<sub>13</sub>NO<sub>5</sub>

**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:** C<sub>8</sub>H<sub>11</sub>NO<sub>2</sub>

**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:** Bp<sub>12</sub> 177°

**pKa Value:** pK<sub>a</sub> 3.86 (25°)

**Aldrich:** D13000-1

**Fluka:** 38600

**Sigma:** D5387