>>**Entry Name: 1,3-Benzenediol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): Resorcinol, 8CI. 1,3-Dihydroxybenzene. Astriderm. Resorcin. Rezacuid. FEMA 3589

CAS Registry Number: 108-46-3
Extra CAS Registry Numbers(s): 12385-08-9

Molecular Formula: $C_6H_6O_2$
Molecular Weight: 110.112
Accurate Mass: 110.03678
Percentage Composition: C 65.45%; H 5.49%; O 29.06%
Use/Importance: Keratolytic, antiseptic. Used as 5% EtOH soln. for photometric detn. of Co, Zn, $NO_2^{(-)}$, $NO_3^{(-)}$. Used in manuf. of resorcinol-formaldehyde resins
Physical Description: Platelets (EtOH)
Melting Point: Mp 111°
Boiling Point: Bp 280°
Solubility: Sol. Et_2O, H_2O, EtOH, C_6H_6; sl. sol. $CHCl_3$
pKa Value: pK_{a1} 9.3; pK_{a2} 11.06 (20°)
Calculated Log P Data: Log P 0.81 (calc)
Hazard & Toxicity: Fl. p. 127°, autoignition temp. 608°. Skin and eye irritant. Possible skin sensitiser. Can cause restlessness, methaemoglobinaemia, convulsions and other systemic effects by skin absorption and ingestion. LD_{50} (rat, orl) 301 mg/kg. OES: long-term 10 ppm; short-term 20 ppm

Aldrich: W35890-8
Fluka: 83602
Sigma: R5645

>>**Derivative:** Mono-Ac
Synonym(s): 3-Acetoxyphenol. **Resorcinol monoacetate,** USAN**.** Euresol

CAS Registry Number: 102-29-4

Molecular Formula: $C_8H_8O_3$
Molecular Weight: 152.149
Accurate Mass: 152.047345
Percentage Composition: C 63.15%; H 5.30%; O 31.55%
Use/Importance: Antiseborrheic, keratolytic agent
Physical Description: Oil
Boiling Point: Bp 283°
Calculated Log P Data: Log P 1 (calc)
Other Data: Component of Sulforcin
Hazard & Toxicity: Fl. p. >66°

Aldrich: R85-6

>>**Derivative:** Di-Ac

CAS Registry Number: 108-58-7
Molecular Formula: $C_{10}H_{10}O_4$
Molecular Weight: 194.187
Accurate Mass: 194.05791
Percentage Composition: C 61.85%; H 5.19%; O 32.96%
Physical Description: Liq.
Boiling Point: Bp 278°
Density: d^{20} 1.178
Refractive Index: n_D^{20} 1.5030
Hazard & Toxicity: Severe eye irritant

Aldrich: 27627-8