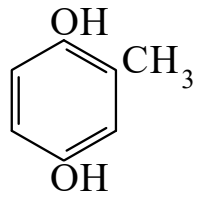
>>**Entry Name: 2-Methyl-1,4-benzenediol,** 9CI
Synonym(s): 2-Methylhydroquinone, 8CI. Methylquinol. Toluhydroquinone. 2,5-Dihydroxytoluene. Hydrotoluquinone



CAS Registry Number: 95-71-6

Molecular Formula: $C_7H_8O_2$
Molecular Weight: 124.139
Accurate Mass: 124.05243
Percentage Composition: C 67.73%; H 6.50%; O 25.78%
Biological Source: Metab. of *Lachnellula* sp.
Use/Importance: Polym. inhibitor. Comonomer for polyesters
Physical Description: Needles or plates (C_6H_6)
Melting Point: Mp 126-127°
Boiling Point: Bp 285°. Bp_{11} 163°
pKa Value: pK_{a1} 10.05; pK_{a2} 11.62 (25°)
UV: [neutral] λ_{max} 203 (log ε 4.18); 216 (sh) (log ε 3.71); 226 (sh) (log ε 3.64); 293 (log ε 3.5) (MeOH)
Other Data: Sublimes
Hazard & Toxicity: Fl. p. 172° (oc), autoignition temp. 468°

Aldrich: 24097-4
Fluka: 89600

>>**Derivative:** 4-Ac

CAS Registry Number: 705-81-7
Molecular Formula: $C_9H_{10}O_3$
Molecular Weight: 166.176
Accurate Mass: 166.062995
Percentage Composition: C 65.05%; H 6.07%; O 28.88%
Physical Description: Needles (petrol)
Melting Point: Mp 92°

>>**Derivative:** Di-Ac

CAS Registry Number: 717-27-1
Molecular Formula: $C_{11}H_{12}O_4$
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Physical Description: Needles or prisms (H_2O, AcOH or petrol)
Melting Point: Mp 49°

>>**Derivative:** 1-*O*-β-D-Glucopyranoside
Synonym(s): Isohomoarbutin

CAS Registry Number: 25162-30-5

Molecular Formula: $C_{13}H_{18}O_7$
Molecular Weight: 286.281
Accurate Mass: 286.105255
Percentage Composition: C 54.54%; H 6.34%; O 39.12%
Biological Source: Isol. from *Chimaphila japonica, Pyrola incarnata* and *Pyrola nephrophylla*
Physical Description: Needles (MeOH)
Melting Point: Mp 175-176°

>>**Derivative:** 4-*O*-β-D-Glucopyranoside
Synonym(s): Homoarbutin

CAS Registry Number: 25712-94-1