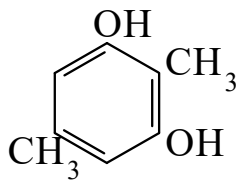




>>Entry Name: **2,5-Dimethyl-1,3-benzenediol**, 9Cl

Synonym(s): 2,5-Dimethylresorcinol, 8Cl. 2,6-Dihydroxy-*p*-xylene. β -Orcinol. *p*-Xylorcinol. β -Orcin. *p*-Xylorcin. Betorcinol



CAS Registry Number: 488-87-9

Type of Compound Code(s): VG0010

Molecular Formula: $C_8H_{10}O_2$

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Biological Source: Prod. by an *Aspergillus terreus* strain. Present in traces in lichens

Use/Importance: Used in polymeric adhesive compns.

Physical Description: Cryst. (C_6H_6 or H_2O)

Melting Point: Mp 163°

Boiling Point: Bp 277°

Aldrich: 37827-5

>>Derivative: Di-Ac

CAS Registry Number: 49582-98-1

Molecular Formula: $C_{12}H_{14}O_4$

Molecular Weight: 222.24

Accurate Mass: 222.08921

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Physical Description: Needles (EtOH)

Melting Point: Mp 69°

>>Derivative: Mono-Me ether

Synonym(s): 3-Methoxy-1,5-dimethylphenol. β -Orcinol monomethyl ether

CAS Registry Number: 56526-87-5

Molecular Formula: $C_9H_{12}O_2$

Molecular Weight: 152.193

Accurate Mass: 152.08373

Percentage Composition: C 71.03%; H 7.95%; O 21.03%

Source/Synthesis: Present in lichens

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 118-121°

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 303C, (*nmr*)

Whalley, W.B., *J.C.S.*, 1949, 3278, (*synth*)

Birkinshaw, J.H. *et al.*, *Biochem. J.*, 1952, **50**, 610, (*synth*)

Curtis, R.F. *et al.*, *Biochem. J.*, 1964, **90**, 43, (*isol*)