>>**Entry Name: 4-Propyl-1,2-benzenediol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): 4-Propylpyrocatechol, 8CI. 4-Propylcatechol

CAS Registry Number: 2525-02-2
Related CAS Registry Numbers(s): 58539-27-8 89266-70-6

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%
Physical Description: Prisms (C_6H_6)
Melting Point: Mp 60°
Boiling Point: Bp_{30} 175-180°

>>**Derivative:** 2-Me ether
Synonym(s): 2-Methoxy-4-propylphenol, 9CI. Cerulignol. Dihydroeugenol. Propylguaiacol. Coerulignol. FEMA 3598

CAS Registry Number: 2785-87-7

Molecular Formula: $C_{10}H_{14}O_2$
Molecular Weight: 166.219
Accurate Mass: 166.09938
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Source/Synthesis: Formed by dist. of beechwood
Physical Description: Liq.
Boiling Point: Bp 240-241°. $Bp_{0.7}$ 80-82°
Refractive Index: n_D^{25} 1.5200
Hazard & Toxicity: Skin irritant. LD_{50} (rat, orl) 2600 mg/kg. LD_{50} (rbt, skn) 310 mg/kg

Aldrich: W35980-7

>>**Derivative:** Di-Me ether
Synonym(s): 1,2-Dimethoxy-4-propylbenzene. 4-Propylveratrole

CAS Registry Number: 5888-52-8
Molecular Formula: $C_{11}H_{16}O_2$
Molecular Weight: 180.246
Accurate Mass: 180.11503
Percentage Composition: C 73.30%; H 8.95%; O 17.75%
Physical Description: Oil
Boiling Point: Bp 247°. Bp_4 112-114°

References:

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Tsukervarik, I.P. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1947, **17**, 1009, *(synth)*
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Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 463, *(2-Me ether)*
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