



>>Entry Name: 5-Propyl-1,3-benzenediol, 9CI
Synonym(s): 5-Propylresorcinol, 8CI. **Divarinol**. Divarin

CAS Registry Number: 500-49-2

Molecular Formula: C₉H₁₂O₂
Molecular Weight: 152.193
Accurate Mass: 152.08373
Percentage Composition: C 71.03%; H 7.95%; O 21.03%
Source/Synthesis: Isol. from *Evernia divaricata*. Hydrol. prod. of Imbricarinic acid [BDZ84-A](#)
Physical Description: Hydrated leaflets (H₂O), anhyd. cryst. (C₆H₆)
Melting Point: Mp 57° (hydrate). Mp 83-84° (anhyd.)
Boiling Point: Bp₃ 127-129°

>>Derivative: Di-Ac

Molecular Formula: C₁₃H₁₆O₄
Molecular Weight: 236.267
Accurate Mass: 236.10486
Percentage Composition: C 66.09%; H 6.83%; O 27.09%
Melting Point: Mp 12-15°

>>Derivative: Mono-Me ether

Synonym(s): 3-Methoxy-5-propylphenol

CAS Registry Number: 55136-70-4
Molecular Formula: C₁₀H₁₄O₂
Molecular Weight: 166.219
Accurate Mass: 166.09938
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Source/Synthesis: Lichen constituent

>>Derivative: Di-Me ether

Synonym(s): 1,3-Dimethoxy-5-propylbenzene

CAS Registry Number: 41395-10-2
Molecular Formula: C₁₁H₁₆O₂
Molecular Weight: 180.246
Accurate Mass: 180.11503
Percentage Composition: C 73.30%; H 8.95%; O 17.75%
Boiling Point: Bp₂₉ 147°. Bp₁₀ 126-127°

References:

- Sonn, A. *et al.*, *Ber.*, 1924, **57**, 959-961, (*synth, bibl*)
Kato, T. *et al.*, *Chem. Pharm. Bull.*, 1972, **20**, 1574-1578, (*synth, pmr, ir*)
Chandrasekharan, V. *et al.*, *Indian J. Chem., Sect. B*, 1978, **16**, 970-972, (*synth*)
Azzena, U. *et al.*, *Synthesis*, 1989, 28-30, (*di-Me ether, synth, pmr*)
Elix, J.A. *et al.*, *Aust. J. Chem.*, 1997, **50**, 1145-1150, (*mono-Me ether, synth, pmr*)