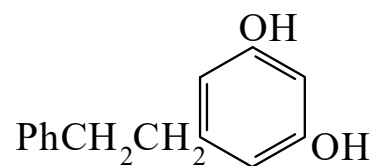




>>Entry Name: 1-(3,5-Dihydroxyphenyl)-2-phenylethane

Synonym(s): 5-(2-Phenylethyl)-1,3-benzenediol, 9Cl. 5-Phenethylresorcinol, 8Cl. 3,5-Dihydroxybibenzyl. **Dihydropinosylvin**



CAS Registry Number: 14531-52-3

Type of Compound Code(s): VG3000

Molecular Formula: C₁₄H₁₄O₂

Molecular Weight: 214.263

Accurate Mass: 214.09938

Percentage Composition: C 78.48%; H 6.59%; O 14.93%

Biological Source: Prob. trace constit. of *Pinus kremphii* wood. Also prod. by fungus-infected *Dioscorea batatus* as phytoalexin

Physical Description: Oil

Boiling Point: Bp₁ 167-169°

>>Derivative: Mono-Me ether

Synonym(s): 3-Methoxy-5-(2-phenylethyl)phenol. 3-Hydroxy-5-methoxybibenzyl. **Dihydropinosylvin methyl ether**

CAS Registry Number: 17635-59-5

Type of Compound Code(s): VG3000

Molecular Formula: C₁₅H₁₆O₂

Molecular Weight: 228.29

Accurate Mass: 228.11503

Percentage Composition: C 78.92%; H 7.06%; O 14.02%

Biological Source: Isol. from wood of *Pinus albicaulis* and other *Pinus* spp.

Melting Point: Mp 50-52°

>>Derivative: Me ether, phenylurethane

Melting Point: Mp 124-125°

>>Derivative: Di-Me ether

Synonym(s): 1,3-Dimethoxy-5-(2-phenylethyl)benzene. 3,5-Dimethoxybibenzyl

CAS Registry Number: 78916-50-4

Type of Compound Code(s): VG3000

Molecular Formula: C₁₆H₁₈O₂

Molecular Weight: 242.317

Accurate Mass: 242.13068

Percentage Composition: C 79.31%; H 7.49%; O 13.21%

Biological Source: Constit. of *Pinus strobus*

Physical Description: Liq.

Boiling Point: Bp_{0.1} 86-88°

References:

- Lindstedt, G., *Acta Chem. Scand.*, 1950, **4**, 1246, (*isol, struct, synth, deriv*)
Birch, A.J. *et al.*, *J.C.S.*, 1960, 4395, (*synth*)
Erdtman, H. *et al.*, *Phytochemistry*, 1966, **5**, 927, (*isol*)
Mitscher, L.A. *et al.*, *Phytochemistry*, 1981, **20**, 781, (*synth*)
Takasugi, M. *et al.*, *Phytochemistry*, 1987, **76**, 371, (*isol, props*)
Crombie, L.W. *et al.*, *J.C.S. Perkin I*, 1988, 1263, (*synth, pmr*)