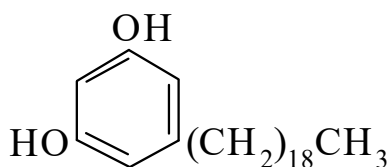




>>Entry Name: 5-Nonadecyl-1,3-benzenediol, 9CI

ENTRY UNDER REVIEW

Synonym(s): 1,3-Dihydroxy-5-nonadecylbenzene. 5-Nonadecylresorcinol



CAS Registry Number: 35176-46-6

**Molecular Formula:** C<sub>25</sub>H<sub>44</sub>O<sub>2</sub>

**Molecular Weight:** 376.621

**Accurate Mass:** 376.33413

**Percentage Composition:** C 79.73%; H 11.78%; O 8.50%

**Biological Source:** Constit. of wheat bran and some Proteaceae spp.

**Physical Description:** Cryst. (hexane)

**Melting Point:** Mp 96.5-97.5°

>>Derivative: Di-Ac

**Molecular Formula:** C<sub>29</sub>H<sub>48</sub>O<sub>4</sub>

**Molecular Weight:** 460.696

**Accurate Mass:** 460.35526

**Percentage Composition:** C 75.61%; H 10.50%; O 13.89%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 67.5-68°

>>Derivative: Di-Me ether

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

**Molecular Formula:** C<sub>27</sub>H<sub>48</sub>O<sub>2</sub>

**Molecular Weight:** 404.675

**Accurate Mass:** 404.36543

**Percentage Composition:** C 80.14%; H 11.96%; O 7.91%

**Melting Point:** Mp 56.5-57.5°

>>Derivative: 14',15'-Didehydro(Z-)

Synonym(s): 5-(14-Nonadecenyl)-1,3-benzenediol. 5-(14-Nonadecenyl)resorcinol

**Molecular Formula:** C<sub>25</sub>H<sub>42</sub>O<sub>2</sub>

**Molecular Weight:** 374.606

**Accurate Mass:** 374.31848

**Percentage Composition:** C 80.16%; H 11.30%; O 8.54%

**Biological Source:** Constit. of *Ardisia gigantifolia* and *Ardisia silvestris*

**Physical Description:** Amorph.

#### References:

Wenkert, E. *et al.*, *J.O.C.*, 1964, **29**, 435, (*isol, synth, pmr*)

Cirigottis, K.A. *et al.*, *Aust. J. Chem.*, 1974, **27**, 345, (*occur*)

Tyman, J.H.P., *Chem. Soc. Rev.*, 1979, **8**, 499, (*rev*)

Anh, N.H. *et al.*, *Planta Med.*, 1996, **62**, 479, (*Nonadecenylbenzenediol*)

Suzuki, Y. *et al.*, *Biosci., Biotechnol., Biochem.*, 1997, **61**, 480-486, (*isol, ms*)