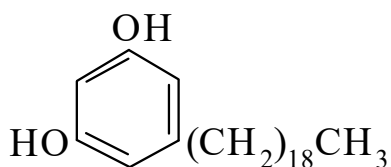




>>Entry Name: 5-Nonadecyl-1,3-benzenediol, 9CI

ENTRY UNDER REVIEW

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



CAS Registry Number: 35176-46-6

Molecular Formula: C₂₅H₄₄O₂

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: C₂₉H₄₈O₄

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: C₂₇H₄₈O₂

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: C₂₅H₄₂O₂

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*)