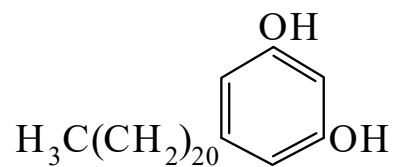




>>Entry Name: 5-Heneicosyl-1,3-benzenediol

ENTRY UNDER REVIEW

Synonym(s): 5-Heneicosylresorcinol



CAS Registry Number: 70110-59-7

Molecular Formula: C₂₇H₄₈O₂

Molecular Weight: 404.675

Accurate Mass: 404.36543

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

Biological Source: Constit. of wheat bran. Also formed in encysting *Azotobacter vinelandii*

Physical Description: Cryst. (hexane)

Melting Point: Mp 99.5-100.5°

>>Derivative: Di-Ac

Molecular Formula: C₃₁H₅₂O₄

Molecular Weight: 488.749

Accurate Mass: 488.38656

Percentage Composition: C 76.18%; H 10.72%; O 13.09%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 72.5-73°

>>Derivative: Di-Me ether

Synonym(s): 1-Heneicosyl-3,5-dimethoxybenzene

Molecular Formula: C₂₉H₅₂O₂

Molecular Weight: 432.729

Accurate Mass: 432.39673

Percentage Composition: C 80.49%; H 12.11%; O 7.39%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 63.5-64.5°

>>Derivative: 3,4,6,7,9,10,12,13,15,16,18,19-Dodecakisdehydro(all-Z)

Synonym(s): 5-(3,6,9,12,15,18-Heneicosaheptaenyl)-1,3-benzenediol

CAS Registry Number: 138168-61-3

Biological Source: Isol. from sponge *Haliclona* sp.

Physical Description: Oil

Other Data: Darkens in air

References:

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

Reusch, R.N. *et al.*, *J. Bacteriol.*, 1979, **139**, 448; 1981, **145**, 889, (*isol*)

Gohil, S. *et al.*, *J. Sci. Food Agric.*, 1988, **45**, 43, (*isol*)

Barrow, R.A. *et al.*, *Aust. J. Chem.*, 1991, **44**, 1393, (*deriv*)

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