



>>Entry Name: 1,13-Tridecanediol, 9CI

CAS Registry Number: 13362-52-2

HOCH₂(CH₂)₁₁CH₂OH

Molecular Formula: C₁₃H₂₈O₂

Molecular Weight: 216.363

Accurate Mass: 216.20893

Percentage Composition: C 72.17%; H 13.04%; O 14.79%

Physical Description: Cryst. (hexane)

Melting Point: Mp 76.5-77°. Mp 81°

>>Derivative: Di-Ph ether

Synonym(s): 1,1'-[1,13-Tridecanediylbis(oxy)]bisbenzene, 9CI. 1,13-Diphenoxytridecane

CAS Registry Number: 141620-05-5

Molecular Formula: C₂₅H₃₆O₂

Molecular Weight: 368.558

Accurate Mass: 368.27153

Percentage Composition: C 81.47%; H 9.84%; O 8.68%

Biological Source: Isol. from the leaves of *Arachis hypogaea* infected with *Puccinia arachidis*

Use/Importance: Phytoalexin

References:

Guyer, A. *et al.*, *Helv. Chim. Acta*, 1955, **38**, 976, (*synth*)

Gold'farb, Y.L. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1955, **25**, 1321, (*synth*)

Bianchetti, G., *Farmaco, Ed. Sci.*, 1957, **12**, 441; *CA*, **51**, 17914, (*synth*)

Colonge, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1959, 1248, (*synth*)

Rao, P.V.S. *et al.*, *Oleagineux*, 1991, **46**, 501; *CA*, **116**, 252152, (*di-Ph ether*)

Mori, K. *et al.*, *Annalen*, 1994, 695, (*synth, pmr*)

Nakamura, N. *et al.*, *Acta Cryst. C*, 1997, **53**, 253-255, (*cryst struct*)