



>>Entry Name: 1,11-Undecanediol, 9CI

CAS Registry Number: 765-04-8

HOCH₂(CH₂)₉CH₂OH

Molecular Formula: C₁₁H₂₄O₂

Molecular Weight: 188.309

Accurate Mass: 188.17763

Percentage Composition: C 70.16%; H 12.85%; O 16.99%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 61° (57-59°)

>>Derivative: Bisphenylurethane

Melting Point: Mp 132-133°

>>Derivative: Mono-Ac

Synonym(s): 11-Acetoxy-1-undecanol

CAS Registry Number: 78782-06-6

Molecular Formula: C₁₃H₂₆O₃

Molecular Weight: 230.347

Accurate Mass: 230.188195

Percentage Composition: C 67.79%; H 11.38%; O 20.84%

Biological Source: Constit. of the roots of *Citrullus colocynthis*

Physical Description: Cryst. (C₆H₆/MeOH)

Melting Point: Mp 81°

>>Derivative: Di-Ph ether

Synonym(s): 1,1'-[1,11-Undecanediylbis(oxy)]bisbenzene, 9CI. 1,11-Diphenoxyundecane

CAS Registry Number: 141620-04-4

Molecular Formula: C₂₃H₃₂O₂

Molecular Weight: 340.505

Accurate Mass: 340.24023

Percentage Composition: C 81.13%; H 9.47%; O 9.40%

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

Biological Use/Importance: Phytoalexin

References:

- Colonge, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1959, 1248, (*synth*)
Dulou, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1959, 1362, (*synth*)
Tolyanova, S.G. *et al.*, *Zh. Obshch. Khim.*, 1963, **34**, 565, (*synth*)
Reinheckel, H., *CA*, 1965, **62**, 8990, (*synth*)
Rao, P.V.S. *et al.*, *Oleagineux*, 1991, **46**, 501; *CA*, **116**, 252152, (*di-Ph ether*)
Gawarikar, R. *et al.*, *Indian J. Chem., Sect. B*, 1994, **33**, 877, (*isol, deriv*)
Narasimhan, S. *et al.*, *Synth. Commun.*, 1997, **27**, 385-390, (*synth*)
Nakamura, N. *et al.*, *Acta Cryst. C*, 1999, **55**, 789-791, (*cryst struct*)