



>>Entry Name: **2,5-Diphenylfuran**, 9CI

CAS Registry Number: 955-83-9

Structure by analogy with 2,3-Diphenylfuran, [FWZ49-O](#)

Molecular Formula: C₁₆H₁₂O

Molecular Weight: 220.27

Accurate Mass: 220.088815

Percentage Composition: C 87.25%; H 5.49%; O 7.26%

Physical Description: Needles or leaflets (EtOH)

Melting Point: Mp 91°

Boiling Point: Bp 343-345°

Solubility: Insol. H₂O, v. sol. Et₂O, EtOH

Other Data: Red-brown soln. with green fluor. in H₂SO₄

References:

Keller, H. *et al.*, *Helv. Chim. Acta*, 1946, **29**, 512, (*synth*)

Dien, C.-K. *et al.*, *J.O.C.*, 1956, **21**, 1492, (*uv*)

Mkyran, M. *et al.*, *CA*, 1956, **50**, 9374h

Traynelis, V.J. *et al.*, *J.O.C.*, 1957, **22**, 1269

Vincent, J. *et al.*, *J.O.C.*, 1957, **22**, 1269, (*synth*)

Hopft, H. *et al.*, *Helv. Chim. Acta*, 1961, **44**, 2016, (*synth*)

Salmon, J.M. *et al.*, *Bull. Soc. Chim. Fr.*, 1973, 2189, (*Raman*)

Demirdji, S.H. *et al.*, *J. Het. Chem.*, 1985, **22**, 495, (*synth, pmr*)