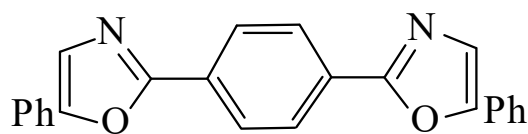




>>Entry Name: 2,2'-(1,4-Phenylene)bis[5-phenyloxazole], 9CI

Synonym(s): 1,4-Bis(5-phenyl-2-oxazolyl)benzene. POPOP



CAS Registry Number: 1806-34-4

Molecular Formula: C₂₄H₁₆N₂O₂

Molecular Weight: 364.403

Accurate Mass: 364.121178

Percentage Composition: C 79.11%; H 4.43%; N 7.69%; O 8.78%

Use/Importance: Used in scintillation counting

Physical Description: Cryst. (Py)

Melting Point: Mp 242-244°

Aldrich: 25739-7

Fluka: 15150

Sigma: P3754

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 638B; 638C, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 507D, (*nmr*)

Ott, D.G. *et al.*, *J.A.C.S.*, 1957, **79**, 5448, (*synth*)

Walker, D. *et al.*, *J. Het. Chem.*, 1964, **1**, 72, (*synth*)

Ambats, I. *et al.*, *Acta Cryst.*, 1965, **19**, 942, (*cryst struct*)

Leggate, P. *et al.*, *Mol. Cryst.*, 1968, **4**, 357, (*props, uv*)

Dhane, D.L. *et al.*, *Indian J. Chem.*, 1975, **13**, 858, (*synth*)