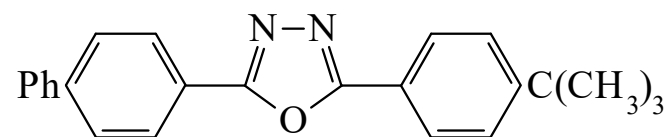




>>Entry Name: 2-(4-Biphenyl)-5-(4-*tert*-butylphenyl)-1,3,4-oxadiazole

Synonym(s): 2-[1,1'-Biphenyl]-4-yl-5-[4-(1,1-dimethylethyl)phenyl]-1,3,4-oxadiazole, 9Cl. Butyl-PBD. BPBD



CAS Registry Number: 15082-28-7

Molecular Formula: C₂₄H₂₂N₂O

Molecular Weight: 354.451

Accurate Mass: 354.173213

Percentage Composition: C 81.33%; H 6.26%; N 7.90%; O 4.51%

Use/Importance: Liquid scintillation solute

Melting Point: Mp 133-138°

Aldrich: 22400-6

Fluka: 20526

Sigma: B8378

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 106A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 640B, (*ir*)

Kowalski, E. *et al.*, *Int. J. Appl. Radiat. Isot.*, 1967, **18**, 307, (*synth*)

Pfeffer, M. *et al.*, *Anal. Biochem.*, 1971, **39**, 46, (*use*)