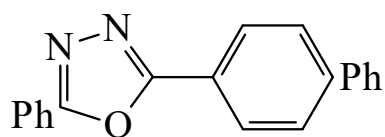




>>Entry Name: 2-[1,1'-Biphenyl]-4-yl-5-phenyl-1,3,4-oxadiazole, 9Cl

Synonym(s): PBD



CAS Registry Number: 852-38-0

Molecular Formula: C₂₀H₁₄N₂O

Molecular Weight: 298.343

Accurate Mass: 298.110613

Percentage Composition: C 80.52%; H 4.73%; N 9.39%; O 5.36%

Use/Importance: Used in liquid scintillation spectrometry, laser dye

Physical Description: Cryst. (toluene)

Melting Point: Mp 167-169°

Aldrich: 25785-0

Fluka: 14450

Sigma: P5626

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **3**, 105C, (*nmr*)

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Hayes, F.N. *et al.*, *J.A.C.S.*, 1955, **77**, 1850, (*synth*)

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

Myer, J.A. *et al.*, *Nature (London)*, 1970, **225**, 540, (*use*)

Maeda, M. *et al.*, *Jpn. J. Appl. Phys.*, 1972, **11**, 692, (*use*)

Milcent, R. *et al.*, *J. Het. Chem.*, 1983, **20**, 77, (*synth*)