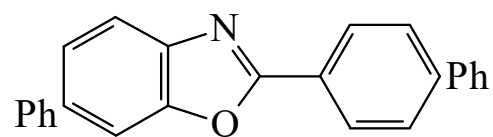




>>Entry Name: **2-(4-Biphenyl)-6-phenylbenzoxazole**

Synonym(s): 2-[1,1'-Biphenyl]-4-yl-6-phenylbenzoxazole, 9Cl. PBBO



CAS Registry Number: 17064-47-0

Molecular Formula: $C_{25}H_{17}NO$

Molecular Weight: 347.415

Accurate Mass: 347.131014

Percentage Composition: C 86.43%; H 4.93%; N 4.03%; O 4.61%

Use/Importance: Laser dye. Used in liquid scintillation spectrometry

Melting Point: Mp 198-199°

Aldrich: 23536-9

Fluka: 14448

Sigma: B3386

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **3**, 197B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 697D, (*ir*)

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

Birks, J.B. *et al.*, *Liq. Scintill. Counting*, 1972, 1, (*props*)

Speiser, S. *et al.*, *Appl. Phys. B*, 1985, **38**, 191; 1986, **39**, 155, (*props*)