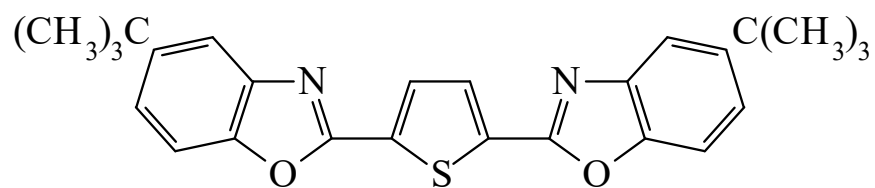




>>Entry Name: 2,5-Bis[5-*tert*-butyl-2-benzoxazolyl]thiophene

Synonym(s): 2,2'-(2,5-Thiophenediyl)bis[5-(1,1-dimethylethyl)benzoxazole], 9Cl. BBOT



CAS Registry Number: 7128-64-5

Molecular Formula: C₂₆H₂₆N₂O₂S

Molecular Weight: 430.57

Accurate Mass: 430.171498

Percentage Composition: C 72.53%; H 6.09%; N 6.51%; O 7.43%; S 7.45%

Use/Importance: Solute used for scintillation counting. Laser dye

Physical Description: Cryst. (dioxan/EtOH)

Melting Point: Mp 199-202°

Aldrich: 44791-9

Fluka: 14555

Sigma: B7878

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 196C, (*nmr*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1276G, (*ir*)

Maeda, M. *et al.*, *Jpn. J. Appl. Phys.*, 1974, **13**, 827, (*use*)

Slomka, I. *et al.*, *Opt. Appl.*, 1979, **9**, 25, (*use*)

Seha, Z. *et al.*, *Helv. Chim. Acta*, 1980, **63**, 413, (*synth*)