



Melting Point: Mp 126-127°

>>**Variant: 3,3',4,5,5'-Pentachlorobiphenyl**

Synonym(s): PCB 127

CAS Registry Number: 39635-33-1

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Melting Point: Mp 152-153°

References:

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- Sundstrom, G., *Acta Chem. Scand.*, 1973, **27**, 600, (2,2',3,4',5'-pentachlorobiphenyl, 2,2',4,5,5'-pentachlorobiphenyl, 2,3',4,4',5-pentachlorobiphenyl, synth, uv)
- Levy, L.A., *Synthesis*, 1973, 170, (2,3,4,5,6-pentachlorobiphenyl, synth, ir)
- Jensen, S. *et al.*, *Ambio*, 1974, **3**, 70-76, (glc, detn in adipose tissue)
- Erb, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1976, 964, (2,2',3,4',5'-pentachlorobiphenyl, 2,2',4,5,5'-pentachlorobiphenyl, 2,3',4,4',5-pentachlorobiphenyl, synth, pmr, ir)
- Mannschreck, A. *et al.*, *Annalen*, 1985, 2101, (resoln)
- Seymour, M.P. *et al.*, *J. Chromatogr.*, 1986, **368**, 174, (2,2',3,4',5'-pentachlorobiphenyl, 2,3',4,4',5-pentachlorobiphenyl, hplc)
- Bergman, A. *et al.*, *Acta Chem. Scand.*, 1990, **44**, 1071, (2,3,3',4,4'-pentachlorobiphenyl)
- Mannila, E. *et al.*, *Chemosphere*, 1992, **24**, 201; **25**, 271, (2,3,3',4,5'-pentachlorobiphenyl, synth, cmr, ir, ms)
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- Bolgar, M. *et al.*, *Chemosphere*, 1995, **31**, 2687-2705, (rev, synth, glc, ir, ms)
- Frame, G.M., *Fresenius' Z. Anal. Chem.*, 1997, **357**, 701-713; 714-722, (glc, detn in Aroclors)
- Andersson, P.L. *et al.*, *Fresenius' Z. Anal. Chem.*, 1997, **358**, 1088-1092, (uv)
- Waller, S.C. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 679-685, (synth, pmr, cmr, ms)