



**Percentage Composition:** C 49.36%; H 2.07%; Cl 48.57%

**Melting Point:** Mp 118-120°

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

**Synonym(s):** PCB 79

**CAS Registry Number:** 41464-48-6

**Molecular Formula:** C<sub>12</sub>H<sub>6</sub>Cl<sub>4</sub>

**Molecular Weight:** 291.99

**Accurate Mass:** 289.922358

**Percentage Composition:** C 49.36%; H 2.07%; Cl 48.57%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 121-123°

>>**Variant: 3,3',5,5'-Tetrachlorobiphenyl**

**Synonym(s):** PCB 80

**CAS Registry Number:** 33284-52-5

**Molecular Formula:** C<sub>12</sub>H<sub>6</sub>Cl<sub>4</sub>

**Molecular Weight:** 291.99

**Accurate Mass:** 289.922358

**Percentage Composition:** C 49.36%; H 2.07%; Cl 48.57%

**Melting Point:** Mp 171-173° (164°)

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

**Synonym(s):** PCB 81

**CAS Registry Number:** 70362-50-4

**Molecular Formula:** C<sub>12</sub>H<sub>6</sub>Cl<sub>4</sub>

**Molecular Weight:** 291.99

**Accurate Mass:** 289.922358

**Percentage Composition:** C 49.36%; H 2.07%; Cl 48.57%

**Melting Point:** Mp 160-163°

#### References:

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Hanai, T. *et al.*, *Anal. Chem.*, 1977, **49**, 764; 1954, (*lc*)

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Anderson, P.L. *et al.*, *Fresenius' Z. Anal. Chem.*, 1997, **358**, 1088-1092, (*uv*)

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TBO700, (*3,3',4,4'-tetrachlorobiphenyl*)