

**PCB 136 Enantiospecifically Alters Neuronal Connectivity in Cultured Rat Hippocampal
Neurons via Ryanodine Receptor-Dependent Mechanisms**

Supplementary data

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Short title: PCB 136 enantiospecific neurotoxicity

Table S1: Summary of capillary columns, temperature programs and other instrument parameters used for the analysis of PCB 136 and its hydroxylated metabolites. All analyses were performed on an Agilent 6890N gas chromatograph equipped with a micro electron capture detector.

Analysis	Capillary column, source	Temperature program	Injector temperature [°C]	Detector temperature [°C]	Carrier gas flow rate [mL/min]
PCB 136	DB1-MS column (100% dimethylpolysiloxane; 60 m × 0.25 mm i.d. × 0.25 µm film thickness), Agilent, Santa Clara, CA	80°C for 1 min, 10°C/min to 280°C, hold 15 min	280	300	1
Hydroxylated PCB metabolites	DB1-MS column (100% dimethylpolysiloxane; 60 m × 0.25 mm i.d. × 0.25 µm film thickness), Agilent, Santa Clara, CA	100°C for 1 min, 5°C/min to 250°C, hold for 20 min, 5°C/min to 280°C, hold for 3 min	280	300	1
Enantioselective PCB 136 analysis	Chirasil-Dex column (β-cyclodextrin chemically bonded to dimethylpolysiloxane; 25 m × 0.25 mm i.d. × 0.25 µm film thickness) Varian, Palo Alto, CA	100°C, 2°C/min to 150°C, 0.2°C/min to 185°C, 15°C/min to 200°C, hold for 10 min	250	250	1