

# Supplementary table 1.

Environmental exposures linked to impairment of central nervous system myelination during development.

Compound Name(s)	Chemical Formula	Molecular weight (g/mol)	CAS number	Supplier	Product Number	Conc.	Solubility			Myelin DNT Ref.
							Conc.	Solvent	Ref.	
Bisphenol A (BPA)	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>	228.291	80-05-7	Sigma Aldrich	239658-50G	-	0.298 g/L at 25°C	H <sub>2</sub> O	Sigma Aldrich	(Xu et al., 2017; Tiwari et al., 2015; Seiwa et al., 2004)
2,4-Dichlorophenoxyacetic acid (2,4-D)	C <sub>8</sub> H <sub>6</sub> Cl <sub>2</sub> O <sub>3</sub>	221.033	94-75-7	Sigma Aldrich	D7299-100G	-	100 mg/ml	95% EtOH	Sigma Aldrich	(Konjuh et al., 2008)
							30 mg/ml	EtOH, DMF, DMSO	Cayman Chem.	
							540 ppm at 20°C	H <sub>2</sub> O	Pub-Chem	
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	C <sub>9</sub> H <sub>15</sub> Cl <sub>6</sub> O <sub>4</sub> P	430.889	13674-87-8	Sigma Aldrich	32951-100MG	-	0.0181 g/L at 20°C	H <sub>2</sub> O	Sigma Aldrich	(Wang et al., 2015)
Bis(cyclohexanone)oxaldihydrazone (Cuprizone)	C <sub>14</sub> H <sub>22</sub> N <sub>4</sub> O <sub>2</sub>	278.356	370-81-0	Sigma Aldrich	14690-100G	-	9.0x10 <sup>-7</sup> mg/L at 20°C	H <sub>2</sub> O	Pub-Chem	(Wang et al., 2013; Cammer, 1999) Abe et al. 2015
Sodium metavanadate	NaO <sub>3</sub> V	121.928	13718-26-8	Sigma Aldrich	72060-100G					(Mustapha et al., 2014)
Nicotine	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	162.236	54-11-5	Sigma Aldrich	613215-1EA	20 mg/mL in DMSO				(Cao et al., 2013)
Pentabromodiphenyl oxide (DE-71)	C <sub>12</sub> H <sub>5</sub> Br <sub>5</sub> O	564.691	32534-81-9	Great Lakes Chemical Corp.		20.1 mM	25 mM	DMSO	Giordano et al. 2008	(Chen et al., 2012)
Methylmercury	CH <sub>3</sub> Hg <sup>+</sup>	215.627	22967-92-6							(Padhi and Pelletier, 2012)

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