

Supplementary Table S1. Comparison of the cytotoxicity induced by CPO, AZO and Aldicarb to undifferentiated versus differentiated SH-SY5Y cells.

Pesticide	Treatments	MTT assay	LDH assay	Treatments	ATP assay	ROS assay		PCC assay
						6 hours	24 hours	
CPO	1	NS	0.0216	IC ₁₀ IC ₂₀ IC ₅₀ IC ₈₀	NS 0.0031 <0.0001 NS	0.0022 NS <0.0001 <0.0001	0.0002 NS 0.0002 0.0012	<0.0001 0.0004 <0.0001 <0.0001
	10	NS	0.0002					
	20	0.0005	NS					
	50	<0.0001	<0.0001					
	100	NS	0.0008					
	200	NS	NS					
AZO	1	0.0253	0.0056	IC ₁₀ IC ₂₀ IC ₅₀ IC ₈₀	NS 0.0444 NS 0.0270	<0.0001 <0.0001 <0.0001 <0.0001	<0.0001 <0.0001 <0.0001 <0.0001	<0.0001 <0.0001 <0.0001 <0.0001
	10	<0.0001	NS					
	20	0.0006	0.0145					
	50	NS	NS					
	100	NS	NS					
	200	NS	NS					
Aldicarb	1	NS	NS	IC ₁₀ IC ₂₀ IC ₅₀ IC ₈₀	NS NS 0.0005 NS	NS 0.0006 <0.0001 <0.0001	NS 0.0066 <0.0001 <0.0001	<0.0001 <0.0001 <0.0001 0.1945
	10	NS	<0.0001					
	20	0.0361	NS					
	50	0.0015	NS					
	100	NS	NS					
	200	NS	NS					

Undifferentiated or differentiated SH-SY5Y cells were treated with chlorpyrifos-oxon (CPO), Azamethiphos-oxon (AZO) or aldicarb. Cell viability measurements were made using MTT, LDH or ATP levels and the production of ROS and PCC was quantified. Comparisons between assays means were made by a two-way ANOVA with Tukey's multiple comparison tests and the values shown for significant changes are marked or listed as NS for non-significant.

Abbreviations: ATP, Adenosine triphosphate; IC, inhibitor concentration (producing 10-80% inhibition); LDH, Lactate dehydrogenase; MTT, (4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide; PCC, protein carbonyl content; ROS, reactive oxygen species.