Appendix S1: Log dose probit parameters of EBIs (Dex, Ibu, and Phe) and BMAs (OA and 5-HT) under laboratory conditions

Treatment	n^a	Slope±SE	LC$_{50}$ (95% CL)*	χ^{2b}	df	P
Dex	500	15.36± 0.802	0.051 (0.046-0.056)	32.01	3	
Ibu	500	0.244 ± 0.011	4.081 (3.87-4.30)	26.31	3	
Phe	500	14.53 ± 0.794	0.050 (0.039-0.059)	106.82	3	< 0.05
OA	500	2.50 ± 0.807	0.203 (0.191-0.205)	15.51	3	
5-HT	500	2.99 ± 0.119	0.292 (0.265-0.317)	30.12	3	

[a] Twenty larvae per replicate, 5 replicates per concentration, 5 concentrations per treatment.

[b] Pearson chi-square goodness-of-fit test on the probit model (α = 0.05).

*LC$_{50}$ or the median lethal concentration (mg) was calculated by probit analysis (SPSS Statistics).