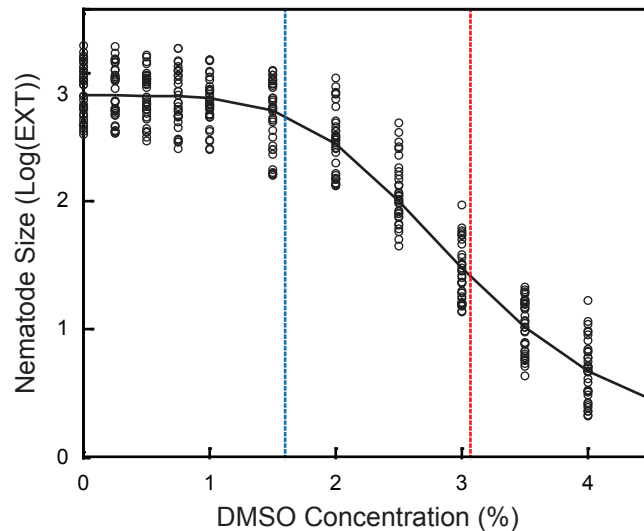


Supplemental Figure S1



Effect of DMSO (vehicle control) on *C. elegans* growth. The red dashed line indicates the AC_{50} (half-maximal concentration; 3.1 % DMSO); the blue dashed line indicates the benchmark concentration lower limit (1.6 % DMSO), below which no effect was observed compared to the untreated control. The benchmark concentration was calculated using mean nematode sizes for exposure wells, with size at time = 0 subtracted from the size at t=48 h. The definition of Crump (2002) was used to calculate the BMC with bootstrapping on residuals for the 90% one-sided confidence interval as previously described (Boyd et al. 2010; Crump 2002).

Boyd WA, McBride SJ, Rice JR, Snyder DW, Freedman JH. 2010. A high-throughput method for assessing chemical toxicity using a *Caenorhabditis elegans* reproduction assay. *Toxicol Appl Pharmacol* 245:153-159.

Crump K. 2002. Critical issues in benchmark calculations from continuous data. *Crit Rev Toxicol* 32:133-153.