

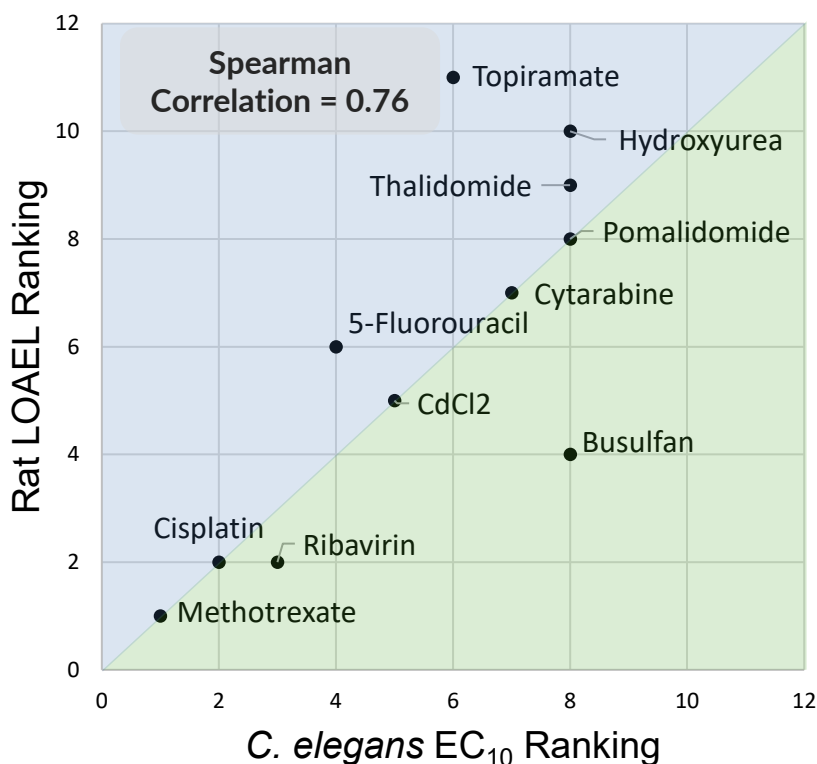


vivoDART: Interspecies Concordance

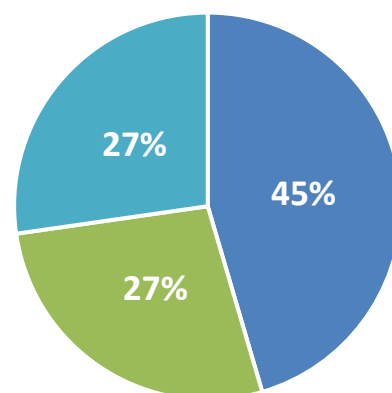
Approach

50+ chemicals with developmental and reproductive toxicity effects in mammals were selected to test the concordance of our **vivoDART** assay with existing studies. These chemicals came from different categories (drugs, agricultural, and industrial chemicals) and had LOAEL values for rat reproductive endpoints (ToxRef, ICH29, and literature studies)

Rat vs *C. elegans* Reproductive Toxicity Rankings of Chemicals



DART Reference Chemicals



- Pharmaceuticals
- Agrichemicals
- Industrial chemicals

Oral reproductive toxicity of these DART reference chemicals in rat studies, ranked by minimum LOAEL for selected reproductive endpoints, correlates well with the ranking of EC₁₀ concentrations in the **vivoDART** assay for a reduction in developed embryos.

