

ChemTunes Databases

High Quality Data for Safety Assessment

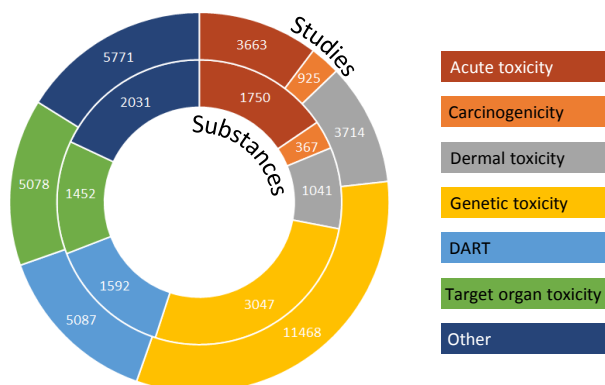
ChemTunes is a cheminformatics platform to store, manage, search and retrieve chemical substances along with their *in vivo* and *in vitro* toxicity, safety evaluation and metabolism data designed to facilitate and support the safety and risk assessment process for chemical substances.

ChemTunes offers an easy-to-use user interface to retrieve relevant information, combining chemistry and toxicity searches tailored to the needs of toxicologists working in the area of safety and risk assessment.

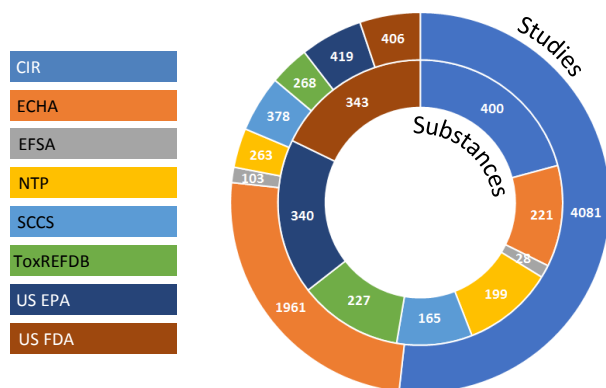


Database Statistics

Toxicity database



Safety assessment database



Key Facts

- Approximately 100,000 chemical compounds
- Over 32,000 toxicity studies and 70 endpoints
- Diverse chemical space and regulatory use types, including food-related substances, drugs, cosmetics, industrial chemicals and pesticides

Available Databases

- **Toxicity database**
 - Study-centered database organized by endpoint types with findings at dose level
 - Data from US NTP, US EPA ToxRefDB, US FDA, EFSA, CIR, CPDB and Fraunhofer ITEM RepDose (optional)
- **Safety and hazard database**
 - Aggregated results into NOEL/LOEL values or study calls
 - Safety assessment including MoS, MoE, RfD, TDI, ADI values along with critical study information
 - Data from US EPA, US FDA, EFSA, ECHA, SCCS/SCCP/SCCNFP, CIR, JECFA/WHO, NITE Japan, HESS
- **Metabolism database**
 - Metabolic reactions of xenobiotics
 - Data from primary literature and New Drug Applications (FDA)