

# ChemTunes Databases

## Expert-reviewed Toxicity Data for Safety Assessment

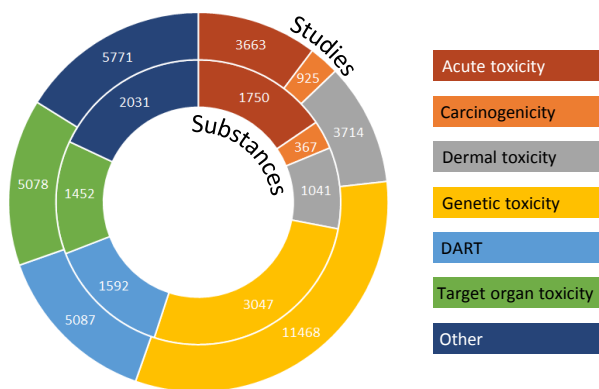
**ChemTunes** is a cheminformatics platform to store, manage, search and retrieve chemical substances along with their *in vivo* and *in vitro* toxicity, safety evaluation and metabolism data designed to facilitate and support the safety and risk assessment process for chemical substances.

**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.

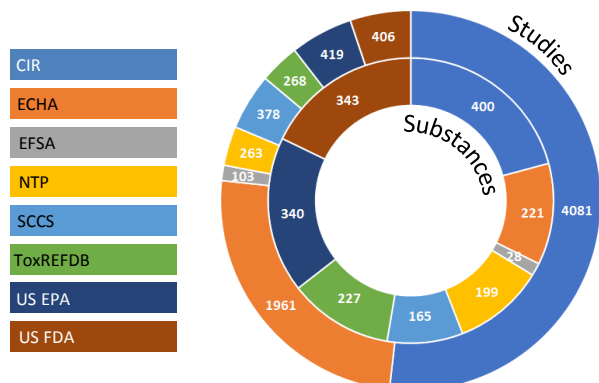


### Database Statistics

#### ■ 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)