Resource Summary Report

Generated by SPARC SAWG on Sep 18, 2026

SuperToxic

RRID:SCR_005298
Type: Tool

Proper Citation

SuperToxic (RRID:SCR_005298)

Resource Information

URL: http://bioinformatics.charite.de/supertoxic

Proper Citation: SuperToxic (RRID:SCR_005298)

Description: A database thatprovides access to information about toxic compounds (names, synonyms and structures). It is primarily designed for pharmacists, biochemists, and medical scientists, but also researchers working in cognate disciplines. SuperToxic predicts the toxicity of compounds, informs about potential targets in biochemical pathways and shows potential binding partners. The database also includes links to suppliers, where the compound can be obtained for further investigations. The current version of this database compiles approx. 60,000 compounds with about 100,000 synonyms. These molecules are classified according to their toxicity based on more than 2,500,000 measurements.

Synonyms: SuperToxic

Resource Type: data or information resource, database

Keywords: biochemical, toxic compounds

Resource Name: SuperToxic

Resource ID: SCR_005298

Alternate IDs: nif-0000-03516

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260912T200136+0000

Ratings and Alerts

No rating or validation information has been found for SuperToxic.

No alerts have been found for SuperToxic.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Bai C, et al. (2025) Machine Learning-Enabled Drug-Induced Toxicity Prediction. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(16), e2413405.

Malarvizhi GL, et al. (2025) Rationally Designed Functionalized Phytochemical-Conjugated Fullerene Quantum Dots Inhibiting Viral Chaperone Activity and RNA-Dependent RNA Polymerase in Nipah Virus. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(15), e70890.

Cavaco T, et al. (2024) Phytochemical Volatiles as Potential Bionematicides with Safer Ecotoxicological Properties. Toxics, 12(6).

Wu L, et al. (2023) TOXRIC: a comprehensive database of toxicological data and benchmarks. Nucleic acids research, 51(D1), D1432.

Wu F, et al. (2020) Computational Approaches in Preclinical Studies on Drug Discovery and Development. Frontiers in chemistry, 8, 726.

Yang H, et al. (2018) In Silico Prediction of Chemical Toxicity for Drug Design Using Machine Learning Methods and Structural Alerts. Frontiers in chemistry, 6, 30.

Kumar Y, et al. (2018) AromaDb: A Database of Medicinal and Aromatic Plant's Aroma Molecules With Phytochemistry and Therapeutic Potentials. Frontiers in plant science, 9, 1081.