

Resource Summary Report

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DrugBank

RRID:SCR_002700

Type: Tool

Proper Citation

DrugBank (RRID:SCR_002700)

Resource Information

URL: <http://www.drugbank.ca/>

Proper Citation: DrugBank (RRID:SCR_002700)

Description: Bioinformatics and cheminformatics database that combines detailed drug (i.e. chemical, pharmacological and pharmaceutical) data with comprehensive drug target (i.e. sequence, structure, and pathway) information.

Abbreviations: DrugBank

Resource Type: data or information resource, database

Defining Citation: [PMID:16381955](#), [PMID:21059682](#), [PMID:18048412](#)

Keywords: drug, target, pathway, structure, pharmacology, drug class, chemical, pharmaceutical, drug target, sequence, reaction, interaction, protein, proteome, blast, data analysis service, small molecule-protein, small molecule, clinical medicine, pharmacy, medicine, pharmaceutical biotechnology, cheminformatics, FASEB list

Funding: Genome Alberta ;
Genome Canada ;
GenomeQuest Inc. ;
Canadian Institutes of Health Research

Availability: Free, Freely available

Resource Name: DrugBank

Resource ID: SCR_002700

Alternate IDs: nif-0000-00417, OMICS_01580, r3d100010544

Alternate URLs: <https://doi.org/10.17616/R3V60M>

License: Different licenses for education and commercial use

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260829T182916+0000

Ratings and Alerts

No rating or validation information has been found for DrugBank.

No alerts have been found for DrugBank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5839 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Gogoi A, et al. (2026) Proteomics of In Vivo models of ischemic stroke: A systematic review with a systems biological perspective. Ageing research reviews, 113, 102937.

Li M, et al. (2026) ITPG: an immune-related transcriptomic predictive model for gastric cancer prognosis. Translational cancer research, 15(2), 125.

Wei S, et al. (2026) Risk assessment for hydrophobic disinfectants and antiseptics as contaminants in freshwater using risk quotient and network pharmacology approaches. iScience, 29(7), 116339.

Sharma S, et al. (2026) MLC1 alteration in human iPSCs give rise to disease-like cellular vacuolation phenotype in the astrocyte lineage. Orphanet journal of rare diseases, 21(1).

Hansen J, et al. (2026) predicTox: an integrated database of clinical risk frequencies and human gene expression signatures for cardiotoxic drugs. Database : the journal of biological databases and curation, 2026.

You C, et al. (2026) Exploration of borneol essential oil function in the treatment of Alzheimer's disease based on network pharmacology and experimental validation. BMC complementary medicine and therapies, 26(1).

Gan X, et al. (2026) Integrated network pharmacology and bioinformatics analysis reveals MME as key target of Notoginsenoside R1 in diabetic nephropathy. BMC complementary medicine and therapies, 26(1).

Ren Y, et al. (2026) Cell type-specific gene regulatory atlas prioritizes drug targets and repurposable medicines in Alzheimer's disease. Genome research, 36(3), 645.

Patel N, et al. (2026) Temporal evolution of digital health communication in Rheumatoid Arthritis: A longitudinal NLP analysis of reddit discussions (2018-2024). PloS one, 21(1), e0341006.

Enduru N, et al. (2026) PRISM-xQTL: Pleiotropic Relationships Integrated with System-level Multiomic QTL analysis for causal genes and molecular mediators in Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 22(2), e71073.

Jiang M, et al. (2026) Macrocycle-DB: a comprehensive database for macrocycle-based drug discovery. Nucleic acids research, 54(D1), D1469.

Guo X, et al. (2026) VDLIN: A Deep Learning-Based Platform for Methylcobalamin-Inspired Immunomodulatory Compound Screening. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(7), e13775.

Xiao C, et al. (2026) HPV18E6 and CDK5 virus-host interaction is a prospective therapeutic target for HPV-positive cervical cancer. Tumour virus research, 21, 200339.

Rossi Sebastiano M, et al. (2026) MK4 Repositioning for IAHSF: Overcoming In Vivo Data Gaps through In Silico Refinement and In Vitro Validation. ACS chemical neuroscience, 17(6), 1115.

Chen Z, et al. (2026) Genetic insights into radiomic and proteomic changes under β -blockers treatment in hypertensive heart disease and hypertrophic cardiomyopathy. BMC medicine, 24(1).

Wu T, et al. (2026) TM9SF1 Aggravates Liver Ischemia-Reperfusion Injury by Promoting Autophagy. Inflammation, 49(1), 84.

Khodadadi AghGhaleh M, et al. (2026) ConvAHKG: Action-based hybrid knowledge graph with a dual-channel convolutional approach for drug repurposing. Scientific reports, 16(1).

Sheng N, et al. (2026) A pre-trained language model-based cross-modal fusion framework for predicting miRNA-drug resistance and sensitivity associations. PLoS computational biology, 22(2), e1013968.

Chen M, et al. (2026) β -sitosterol improves the pathological progression of PCOS by targeting ESR1 to inhibit autophagy activity. Journal of ovarian research, 19(1).

Cottrell S, et al. (2026) Computational Drug Repurposing for Alzheimer's Disease via Sheaf Theoretic Population-Scale Analysis of snRNA-Seq Data. Journal of medicinal chemistry, 69(4), 4221.