Resource Summary Report

Generated by T1D on Aug 2, 2026

Potential Drug Target Database

RRID:SCR_007069
Type: Tool

Proper Citation

Potential Drug Target Database (RRID:SCR_007069)

Resource Information

URL: http://www.dddc.ac.cn/pdtd/

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Description: It is a dual function database that associates an informatics database to a structural database of known and potential drug targets. PDTD is a comprehensive, web-accessible database of drug targets, and focuses on those drug targets with known 3D-structures. PDTD contains 1207 entries covering 841 known and potential drug targets with structures from the Protein Data Bank (PDB). Drug targets of PDTD were categorized into 15 and 13 types according to two criteria: therapeutic areas and biochemical criteria. The database supports extensive searching function using PDB ID, target name and category, related disease.

Abbreviations: PDTD

Synonyms: Potential Drug Target Database

Resource Type: data or information resource, database

Keywords: drug, biochemical, informatics, protein, structural, therapeutic

Resource Name: Potential Drug Target Database

Resource ID: SCR_007069

Alternate IDs: nif-0000-20891

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260801T190942+0000

Ratings and Alerts

No rating or validation information has been found for Potential Drug Target Database.

No alerts have been found for Potential Drug Target Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

He H, et al. (2020) Big data and artificial intelligence discover novel drugs targeting proteins without 3D structure and overcome the undruggable targets. Stroke and vascular neurology, 5(4), 381.

Amera GM, et al. (2020) Prioritization of Mur family drug targets against A. baumannii and identification of their homologous proteins through molecular phylogeny, primary sequence, and structural analysis. Journal, genetic engineering & biotechnology, 18(1), 33.

Sharma P, et al. (2020) In silico screening of potential antidiabetic phytochemicals from Phyllanthus emblica against therapeutic targets of type 2 diabetes. Journal of ethnopharmacology, 248, 112268.

Xu X, et al. (2018) Docking-based inverse virtual screening: methods, applications, and challenges. Biophysics reports, 4(1), 1.

Hong M, et al. (2018) Wogonin Suppresses the Activity of Matrix Metalloproteinase-9 and Inhibits Migration and Invasion in Human Hepatocellular Carcinoma. Molecules (Basel, Switzerland), 23(2).

Chen L, et al. (2018) Network pharmacology-based strategy for predicting active ingredients and potential targets of Yangxinshi tablet for treating heart failure. Journal of ethnopharmacology, 219, 359.

da Silva RA, et al. (2018) Mining of potential drug targets through the identification of essential and analogous enzymes in the genomes of pathogens of Glycine max, Zea mays and Solanum lycopersicum. PloS one, 13(5), e0197511.

Hong M, et al. (2017) A Network Pharmacology-Based Study on the Hepatoprotective Effect of Fructus Schisandrae. Molecules (Basel, Switzerland), 22(10).

Katsila T, et al. (2016) Computational approaches in target identification and drug discovery. Computational and structural biotechnology journal, 14, 177.

Dai YF, et al. (2015) A survey on the computational approaches to identify drug targets in the postgenomic era. BioMed research international, 2015, 239654.

Liu X, et al. (2015) Expression Profiling Identifies Bezafibrate as Potential Therapeutic Drug for Lung Adenocarcinoma. Journal of Cancer, 6(12), 1214.

Sheng S, et al. (2014) Network pharmacology analyses of the antithrombotic pharmacological mechanism of Fufang Xueshuantong Capsule with experimental support using disseminated intravascular coagulation rats. Journal of ethnopharmacology, 154(3), 735.

Yang M, et al. (2013) Navigating traditional chinese medicine network pharmacology and computational tools. Evidence-based complementary and alternative medicine : eCAM, 2013, 731969.

Pan SY, et al. (2013) New Perspectives on How to Discover Drugs from Herbal Medicines: CAM's Outstanding Contribution to Modern Therapeutics. Evidence-based complementary and alternative medicine : eCAM, 2013, 627375.

Barlow DJ, et al. (2012) In-silico studies in Chinese herbal medicines' research: evaluation of in-silico methodologies and phytochemical data sources, and a review of research to date. Journal of ethnopharmacology, 140(3), 526.

Marin-Sanguino A, et al. (2011) Biochemical pathway modeling tools for drug target detection in cancer and other complex diseases. Methods in enzymology, 487, 319.

Gao Z, et al. (2008) PDTD: a web-accessible protein database for drug target identification. BMC bioinformatics, 9, 104.