

Resource Summary Report

Generated by [NIF](#) on May 13, 2025

DART - Drug Adverse Reaction Targets

RRID:SCR_007041

Type: Tool

Proper Citation

DART - Drug Adverse Reaction Targets (RRID:SCR_007041)

Resource Information

URL: <http://xin.cz3.nus.edu.sg/group/drt/dart.asp>

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Description: Database that provides comprehensive information about adverse effect targets of drugs described in the literature, including information about known drug adverse reaction targets, functions and properties. Moreover, proteins involved in adverse effect targets of chemicals not yet confirmed as adverse drug reaction (ADR) targets are also included as potential targets. Associated references are also included. This database gives physiological function of each target, binding drugs / agonists / antagonists / activators / inhibitors, IC(50) values of the inhibitors, corresponding adverse effects, and type of ADR induced by drug binding to a target. Cross-links to other databases are also introduced to facilitate the access of information about the sequence, 3-dimensional structure, function, and nomenclature of each target along with drug/ligand binding properties, and related literature. Each entry can be retrieved through multiple search methods including target name, target physiological function, adverse effect, ligand name, and biological pathways. A special page is provided for contribution of new or additional information. Function for ADR-target prediction by SVM DART: Submit protein primary sequence for ADR-related protein prediction.

Abbreviations: DART

Resource Type: data repository, storage service resource, data or information resource, service resource, database

Defining Citation: [PMID:12862503](#)

Keywords: drug, drug target, evaluation, adverse drug reaction, adverse reaction, agonist, antagonist, binding, ic value, inhibitor, ligand binding property, ligand, physiological function,

protein prediction, protein, protein target, target, type, toxicity, data analysis service, toxic

Funding:

Availability: Non-commercial use, The community can contribute to this resource

Resource Name: DART - Drug Adverse Reaction Targets

Resource ID: SCR_007041

Alternate IDs: nif-0000-02720

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250513T060855+0000

Ratings and Alerts

No rating or validation information has been found for DART - Drug Adverse Reaction Targets.

No alerts have been found for DART - Drug Adverse Reaction Targets.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Chen X, et al. (2016) Large-scale identification of adverse drug reaction-related proteins through a random walk model. Scientific reports, 6, 36325.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.