

# Health information category of KEGG



## KEGG MEDICUS

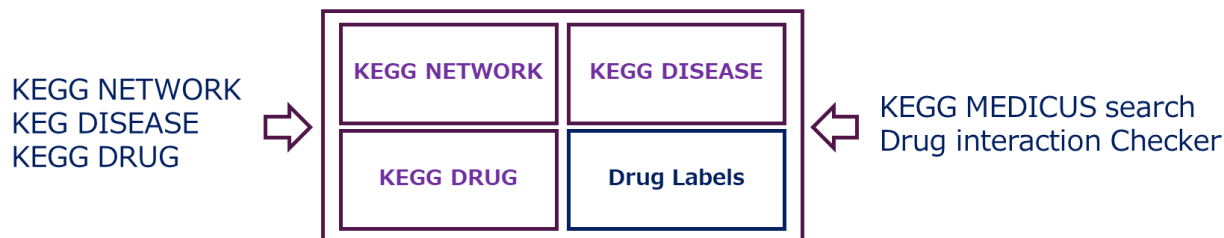
<https://www.kegg.jp/kegg/medicus/>



KEGG MEDICUS is a health information resource that aims to bring the genomic revolution to society. It integrates the KEGG NETWORK, DISEASE, and DRUG databases (the Health Information category of KEGG) with drug label information from Japan and the United States.

### KEGG MEDICUS

Integrated resource of genomes, networks, diseases and drugs



### Integrated Search

The English version of KEGG MEDICUS integrates the KEGG PATHWAY, NETWORK, DISEASE, and DRUG databases, and links to FDA drug labels (package inserts) for prescription drugs in the United States. Note that the Japanese version of KEGG MEDICUS also includes package inserts for all drugs marketed in Japan.

### Drug Interaction Checker

Given a list of drugs, the Drug Interaction Checker reports any drug–drug interactions associated with contraindications (CI) and precaution (P). The Japanese version applies to drug products marketed in Japan, while the English version applies to drug products in the United States.

- Japanese drug labels are distributed under a license agreement with the Japan Pharmaceutical Information Center (JAPIC). Downloading the data is prohibited.
- FDA drug labels are provided via links to the DailyMed database.

**KEGG** This mode accepts a KEGG identifier to retrieve the corresponding entry. Identifiers may use a database-specific prefix followed by a five-digit number (for example, C00002 for ATP), or the db:entry format (for example, hsa:7157 or hsa:TP53 for human p53). If the search term does not match any KEGG identifier, a keyword search is performed using DBGET. This is equivalent to the DBGET search described below.

**DBGET** This mode performs a DBGET search across the entire KEGG database.

**MEDICUS** This mode is the default on the KEGG MEDICUS page. A keyword search is performed against KEGG PATHWAY, KEGG DISEASE, and KEGG DRUG relational databases (see RDB search in Searching KEGG), as well as FDA Drug labels for both prescription and OTC drugs in the DailyMed database.

KEGG MEDICUS is supported under JST Database Integration Coordination Program (DICP), "Integrated database linking human and pathogen genomes to diseases and drugs" (PI: KANEHISA Minoru, Professor, Institute for Chemical Research, Kyoto University).

### References

1. Kanehisa M., et al. "KEGG: Biological systems database as a model of the real world." *Nucleic Acids Research*, vol. 53, no. D1, pp. D672–D677, 2025. (DOI: 10.1093/nar/gkae909).

