



U.S. National Library of Medicine

Web Resources for Chemistry Professionals



TOXNET[®] Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

toxnet.nlm.nih.gov

Select TOXNET databases of interest to chemists

ChemIDplus[®] Online dictionary of chemical substances cited in NLM databases and other Internet resources. Advanced version includes chemical structure, toxicity, and physical property searching.

Comparative Toxicogenomics Database (CTD)

Elucidates molecular mechanisms by which environmental chemicals affect human disease.

Hazardous Substances Data Bank (HSDB)[®]

Comprehensive, peer-reviewed toxicology and environmental data for chemicals, including specific information on health effects, physical properties, safety and handling, and more.

Household Products Database (HPD) Information on the health effects, handling, and disposal of chemicals found in common household products.

Integrated Risk Information System (IRIS)

Hazard identification and dose-response assessments for chemicals.

International Toxicity Estimates for Risk (ITER)

Risk information for chemicals from authoritative groups worldwide.

LactMed[®] (Drugs and Lactation Database) Database of drugs and other chemicals to which breastfeeding mothers may be exposed and the effects of those agents on nursing infants and lactation.

TOXMAP[®] Interactive environmental health maps showing locations of toxic chemical releases and hazardous waste sites.

Toxics Release Inventory (TRI) Annual environmental releases of toxic chemicals by U.S. facilities.

TOXLINE[®] Bibliographic database of toxicology references.

AIDSinfo[®] Drug Database Up-to-date information on FDA-approved and investigational HIV/AIDS-related drugs for health care providers and patients.

aidsinfo.nih.gov/drugs

ChemSpell Web Service Application Programming Interface (API) providing chemical name spell-checking and chemical name synonym lookup. Contains more than 1.3 million chemical names related to organic, inorganic, pharmaceutical, toxicological, and environmental health topics.

chemspell.nlm.nih.gov/spell

ClinicalTrials.gov Searchable database providing information about current ongoing clinical research studies on drugs and treatments.

clinicaltrials.gov

Dietary Supplement Label Database

Collaborative project between the Office of Dietary Supplements (ODS) at National Institutes of Health (NIH) and NLM, containing full label contents from U.S. marketed dietary supplements and providing search features important for researchers.

www.dsld.nlm.nih.gov

Drug Information Portal Portal to current drug information from NLM and other Federal agencies. Information on drugs from the time that they are in clinical trials, through their FDA approval process, and then on to the marketplace. Coverage includes drugs with official generic name status such as USAN (United States Adopted Name) or INN (International Nonproprietary Name).

druginfo.nlm.nih.gov

LiverTox[®] Comprehensive clinical and research information and a case registry on liver injury attributable to about 1,000 prescription and nonprescription drugs, herbals, and dietary supplements.

livertox.nih.gov

Web Resources for Chemistry Professionals

Pillbox Enables rapid identification of unknown solid dosage medication based on physical characteristics and high quality images.

pillbox.nlm.nih.gov

PubChem[®] Information on the biological activities of small molecules. PubChem includes substance information, compound structures, and BioActivity data in three primary databases: PubChem Substance, PubChem Compound, and PubChem BioAssay.

pubchem.ncbi.nlm.nih.gov

PubMed[®]/**MEDLINE**[®] More than 24 million citations from biomedical literature, life science journals, and online books.

pubmed.gov

Tox Town[®] Interactive guide to toxic substances and environmental health issues in everyday places.

toxtown.nlm.nih.gov

Additional Resources

Enviro-Health Links Selected links to information on environmental health and toxicology, chemicals, and drugs.

sis.nlm.nih.gov/pathway.html

Laboratory Safety

sis.nlm.nih.gov/enviro/labsafety.html

Nanotechnology and Human Health

sis.nlm.nih.gov/enviro/nanotechnology.html

Discovering TOXNET This online, self-paced class is an introduction to TOXNET and other NLM environmental health databases through videos, guided tutorials, and discovery exercises.

nmlm.gov/ntcc/classes/class_details.html?class_id=809

TOXNET and Beyond: Using the National Library of Medicine Environmental Health and Toxicology Portal This workbook provides information and practice exercises in using the TOXNET databases and related resources.

sis.nlm.nih.gov/enviro/manuals.html

Mobile Tools and Services

NLM Resources with Apps and Mobile Sites

nlm.nih.gov/mobile

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|---------------------------|----------------------------|
| ■ AIDSinfo | ■ MedlinePlus [®] |
| ■ AIDSinfo Drug AP | ■ MedlinePlus en español |
| ■ CHEMM | ■ PubMed |
| ■ DailyMed [®] | ■ PubMed for Handhelds |
| ■ Drug Information Portal | ■ REMM |
| ■ Haz-Map [®] | ■ TOXNET |
| ■ Health Hotlines | ■ WISER |
| ■ LactMed [®] | |

Disaster and Emergency Response Tools

Chemical Hazards Emergency Medical Management (CHEMM)

Online resource enabling first responders and other health care providers and planners to plan for, respond to, recover from, and mitigate the effects of mass-casualty incidents involving accidental or terrorist chemical releases. CHEMM is downloadable in advance so it can be used if the Internet is not available.

chemm.nlm.nih.gov

Radiation Emergency Medical Management (REMM)

Guidance about clinical diagnosis and treatment of radiation injuries during radiological and nuclear emergencies.

remm.nlm.gov

Wireless Information System for Emergency Responders (WISER[®])

Information on chemical, biological, and radiological agents of concern for emergency responders, with a focus on Hazmat and transportation incidents.

wiser.nlm.nih.gov

NLM Resources with Application Programming Interfaces (APIs)

nlm.nih.gov/api

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| ■ AIDSinfo | ■ MedlinePlus Health Topics |
| ■ ChemSpell | ■ National Drug File (NDF) |
| ■ ClinicalTrials.gov | ■ Pillbox |
| ■ Computational | ■ PubChem |
| ■ Photography Project for Pill Identification (C3PI) | ■ RxMix (Beta) |
| ■ DailyMed | ■ RxNorm |
| ■ MedlinePlus Connect | ■ RxTerms |
| | ■ TOXNET |

Stay Connected

Listservs, News, and Social Media NLM Division of Specialized Information Services has a variety of ways to keep up with what is new on the Web site.

sis.nlm.nih.gov/listservnewsmedia.html

www.nlm.nih.gov

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April 2015