

Web resources for drug toxicity

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„...penetration, metabolism www.camitro.com **CompuDrug** **MetabolExpert** Metabolic pathways www.compudrug.com Lhasa Limited METEOR Metabolic pathways...sensitization, irritancy www.accelrys.com **Compudrug** **HazardExpert** Mutagenicity, carcinogenicity...”

Abstract

Information on drug toxicity is used primarily by three segments of the health care industry: the consumer or patient, healthcare practitioners, and research and development (R&D) scientists in the pharmaceutical industry. The major focus of both consumers and health care practitioners is the provision of suitable information for the safe use of drugs for both individuals and specific patient populations. Therefore, accurate information on potential side effects and drug–drug and food–drug interactions is critical. For pharmaceutical scientists, the use of toxicity information is more complex and has become an essential part of the R&D process. The high rate of failures in drug development has precipitated the utilization of all available resources to gather relevant information that may improve the process of drug development. The web is a growing source of information and services for the pharmaceutical industry. Web-based resources for non-clinical drug development include tools for virtual discovery such as silico ADME/Toxicity programs, access to information regarding in vitro and in vivo testing, new data management options, and the latest regulatory guidelines and industry news. These resources are reviewed from the perspective of a toxicologist.

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