3. Finding drug information in integrated chemistry and life sciences databases: PubChem and DiscoveryGate

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Abstract

While science is becoming more and more interdisciplinary, valuable resources such as PubChem and DiscoveryGate (DG) are still considered created for and used mainly by chemists. PubChem is a fast-growing database of properties of small org. mols., including many drugs. DG provides access to chem., medicinal, toxicity, metabolite, cancer, and drug databases that can be accessed from a single entry point, the MDL Compd. Index. Users of DG can expand their searches to PubChem, and users of PubChem can expand their searches to DG. While PubChem is a free resource, DG requires expensive subscriptions. The purpose of this paper is to show how the life sciences community could greatly benefit from using integrated chem. and life sciences databases such as PubChem and DG to find specific, detailed, accurate, and independent information about the properties, synthesis, metab., and effects of drugs.

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