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Pharmaceutical Sciences & Experimental Therapeutics: Compounding

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Special thanks to Vicki Kee and Vern Duba at College of Pharmacy for suggesting many of the resources on this page.

Chris Childs

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









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AACP REPORTS: Assessment and Recommendations of Compounding Education in AACP Member Institutions

Citation information: Shrewsbury R, Augustine S, Birnie C, Nagel K, Ray D, Ruble J, Scolaro K, Athay Adams J. Assessment and Recommendations of Compounding Education in AACP Member Institutions. Am J Pharm Educ. 2012 Sep 10;76(7):S9. doi: 10.5688/ajpe767S9. PubMed PMID: 23049115




Follow the link below to see the fulltext.

- Assessment and Recommendations of Compounding Education in AACP Member Institutions



Physical & Chemical Properties Resources

- ChemSpider
ChemSpider is a free chemical structure database providing fast text and structure search access to over 26 million structures from hundreds of data sources.
- CRC Handbook of Chemistry and Physics

- Critical Compilation of pKa Values for Pharmaceutical Substances
This is volume 33 of Profiles of Drug Substances, Excipients, and Related Methodology.
- Combined Chemical Dictionary 

Includes descriptive and numerical data on chemical, physical and biological properties of compounds; systematic and common names of compounds; literature references; structure diagrams and their associated connection tables. Contains all those compounds published in: Dictionary of organic compounds (200,000 records), Dictionary of natural products (120,000 records), Dictionary of inorganic and organometallic compounds (90,000 records), Dictionary of pharmacological agents (30,000 records), Dictionary of analytical reagents (14,000 records).

- Handbook of Pharmaceutical Excipients
Available at the Reserve section in Hardin Library. Call number FOLIO RS201.E87 H36 2012 . Earlier editions also available.
- Merck Index Online 
An authoritative and reliable source of information on chemicals, drugs and biologicals, the Merck Index* Online offers the same highly authoritative information as the print edition in a convenient and easily searchable full text database. It contains over 11,500 monographs – including historic records not available in the print edition. The Merck Index Online will be updated regularly with accurate information curated by experts.
- The Merck Index
Available at the Reserve section in Hardin Library. Call number: RS51 .M4 2006
- Pharmaceutical Substances  

Pharmaceutical Substances is designed to be a complete reference guide to every pharmaceutical compound of significance. It provides a compendium of some 2,600 active pharmaceutical ingredients (API's) of interest to the chemical and pharmaceutical industries. Note: There is a known problem with the Structure Query. More info here.

- Profiles of Drug Substances, Excipients, and Related Methodology
Check Volume 33 for pKa values.
- PubChem
PubChem is a free NCBI resource providing information on the biological activities of small molecules and a fast chemical structure similarity search tool.
- SciFinder 
Everyone MUST register on campus using an Iowa email account to use this resource. Detailed instructions are located at guides.lib.uiowa.edu/chem. SciFinder gives you instant access to the world's largest curated collection of information on disclosed chemistry and related research produced by CAS.
- USP-NF Online 
The USP-NF (United States Pharmacopeia –National Formulary) is a combination of two official compendia, the United States Pharmacopeia (USP) and the National Formulary (NF). It contains standards for medicines, dosage forms, drug substances, excipients, biologics, compounded preparations, medical

devices, dietary supplements, and other therapeutics. Click on Log On to begin.

Compounding Reference Resources

- Handbook of Pharmaceutical Excipients
Available at the Reserve section in Hardin Library. Call number FOLIO RS201.E87 H36 2012 . Earlier editions also available.
- King Guide to parenteral admixtures.
Available at the Reserve section in Hardin Library. Call number: FOLIO RM149 .G8
- Martindale: The Complete Drug Reference (via Micromedex)
Martindale is also included within the drug information in Micromedex. No direct link is available. Print copies are also available at the Reserve Section in Hardin Library. Call number RS141.3 .M4
- Pharmaceutical Dosage Forms and Drug Delivery
- Remington: the Science and Practice of Pharmacy
Available at the Reserve section in Hardin Library. Call number RM300 .R3955 2013
- Secundum Artem
Secundum Artem is designed for pharmacists who compound prescriptions: nonsterile and sterile, traditional and high technology. Freely available on Perrigo website.
- (Trissel's) Handbook on Injectable Drugs
Authoritative guide to injectable drugs and their compatibility.

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