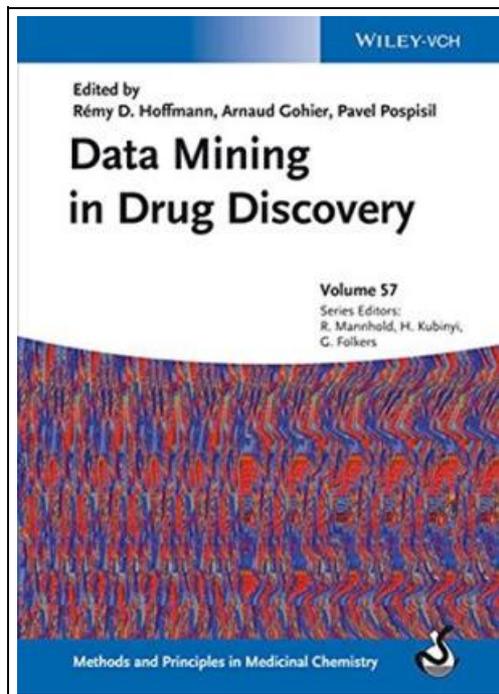


## Data Mining in Drug Discovery



Filesize: 8.11 MB

### **Reviews**

*It is really an remarkable book which i have ever go through. It can be writter in simple terms and not difficult to understand. I am just effortlessly can get a enjoyment of reading a composed pdf.*

*(Dr. Lily Wunsch II)*

## DATA MINING IN DRUG DISCOVERY

[DOWNLOAD](#)

To download **Data Mining in Drug Discovery** PDF, make sure you refer to the link listed below and download the file or have accessibility to other information that are relevant to DATA MINING IN DRUG DISCOVERY ebook.

Condition: New. Publisher/Verlag: Wiley-VCH | Written for drug developers rather than computer scientists, this monograph adopts a systematic approach to mining scientific data sources, covering all key steps in rational drug discovery, from compound screening to lead compound selection and personalized medicine. | Written for drug developers rather than computer scientists, this monograph adopts a systematic approach to mining scientific data sources, covering all key steps in rational drug discovery, from compound screening to lead compound selection and personalized medicine. Clearly divided into four sections, the first part discusses the different data sources available, both commercial and non-commercial, while the next section looks at the role and value of data mining in drug discovery. The third part compares the most common applications and strategies for polypharmacology, where data mining can substantially enhance the research effort. The final section of the book is devoted to systems biology approaches for compound testing. Throughout the book, industrial and academic drug discovery strategies are addressed, with contributors coming from both areas, enabling an informed decision on when and which data mining tools to use for one's own drug discovery project. | Preface A Personal Foreword PART ONE: Data Sources PROTEIN STRUCTURAL DATABASES IN DRUG DISCOVERY The Protein Data Bank: The Unique Public Archive of Protein Structures PDB-Related Databases for Exploring Ligand-Protein Recognition The sc-PDB, A Collection of Pharmacologically Relevant Protein-Ligand Complexes Conclusions PUBLIC DOMAIN DATABASES FOR MEDICINAL CHEMISTRY Introduction Databases of Small Molecule Binding and Bioactivity Trends in Medicinal Chemistry Data Directions Summary CHEMICAL ONTOLOGIES FOR STANDARDIZATION, KNOWLEDGE DISCOVERY, AND DATA MINING Introduction Background Chemical Ontologies Standardization Knowledge Discovery Data Mining Conclusions BUILDING A CORPORATE CHEMICAL DATABASE TOWARD SYSTEMS BIOLOGY Introduction Setting the Scene Dealing with Chemical Structures Increased Accuracy of the Registration of Data Implementation of the Platform Linking Chemical Information to Analytical Data Linking Chemicals to Bioactivity Data Conclusions PART TWO: Analysis and Enrichment DATA MINING OF PLANT METABOLIC PATHWAYS Introduction Pathway Representation Pathway Management Platforms Obtaining Pathway Information Constructing Organism-Specific Pathway Databases Conclusions THE ROLE OF DATA MINING IN THE IDENTIFICATION...

[Read Data Mining in Drug Discovery Online](#)[Download PDF Data Mining in Drug Discovery](#)[Download ePub Data Mining in Drug Discovery](#)

## See Also



**[PDF] Would It Kill You to Stop Doing That?**

Follow the hyperlink below to get "Would It Kill You to Stop Doing That?" PDF file.

[Read Book »](#)



**[PDF] Do This! Not That!: The Ultimate Handbook of Counterintuitive Parenting**

Follow the hyperlink below to get "Do This! Not That!: The Ultimate Handbook of Counterintuitive Parenting" PDF file.

[Read Book »](#)



**[PDF] Violet Rose and the Surprise Party**

Follow the hyperlink below to get "Violet Rose and the Surprise Party" PDF file.

[Read Book »](#)



**[PDF] Zach Apologizes**

Follow the hyperlink below to get "Zach Apologizes" PDF file.

[Read Book »](#)



**[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**

Follow the hyperlink below to get "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" PDF file.

[Read Book »](#)



**[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Follow the hyperlink below to get "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" PDF file.

[Read Book »](#)

**[PDF] Accused: My Fight for Truth, Justice and the Strength to Forgive**

Access the hyperlink listed below to read "Accused: My Fight for Truth, Justice and the Strength to Forgive" file.

[Save Book »](#)

**[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)**

Access the hyperlink listed below to read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" file.

[Save Book »](#)

**[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)**

Access the hyperlink listed below to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" file.

[Save Book »](#)

**[PDF] Mass Media Law: The Printing Press to the Internet**

Access the hyperlink listed below to read "Mass Media Law: The Printing Press to the Internet" file.

[Save Book »](#)

**[PDF] From Kristallnacht to Israel: A Holocaust Survivor s Journey**

Access the hyperlink listed below to read "From Kristallnacht to Israel: A Holocaust Survivor s Journey" file.

[Save Book »](#)

**[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners**

Access the hyperlink listed below to read "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" file.

[Save Book »](#)