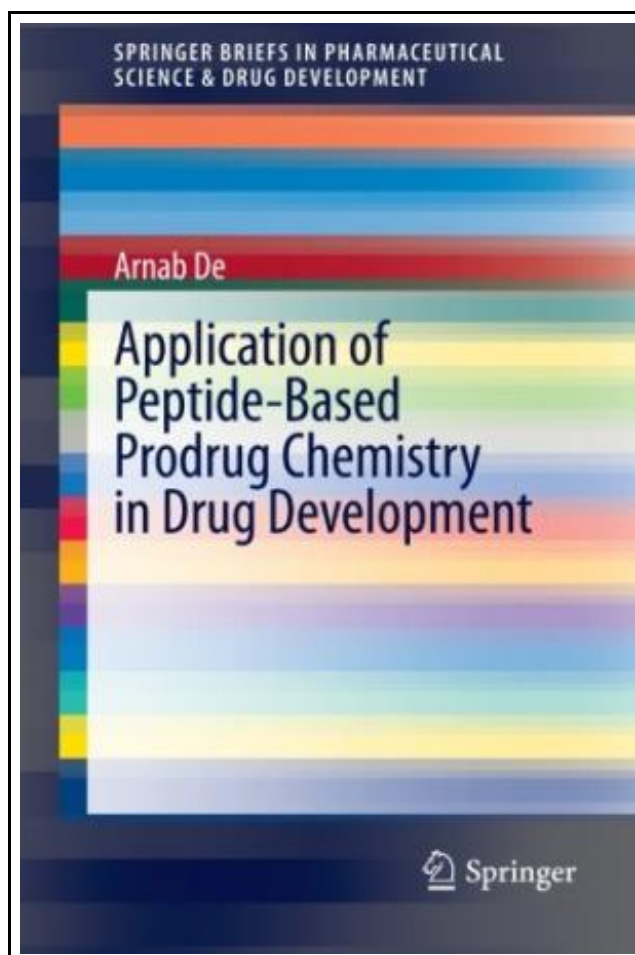


## Application of Peptide-Based Prodrug Chemistry in Drug Development



Filesize: 7.51 MB

### ***Reviews***

*Completely essential go through book. It really is simplistic but excitement inside the 50 % of the pdf. I am very easily will get a satisfaction of studying a composed book.*

*(Damian Poulos)*

## APPLICATION OF PEPTIDE-BASED PRODRUG CHEMISTRY IN DRUG DEVELOPMENT

DOWNLOAD



To read **Application of Peptide-Based Prodrug Chemistry in Drug Development** PDF, you should follow the button below and save the file or gain access to other information which are related to APPLICATION OF PEPTIDE-BASED PRODRUG CHEMISTRY IN DRUG DEVELOPMENT ebook.

Springer. Paperback. Condition: New. 75 pages. Dimensions: 8.8in. x 6.1in. x 0.3in. Macromolecular (specifically peptide-based) drugs could potentially be highly effective medicines. However they have a relatively short duration of action and variable therapeutic index. An example of such a peptide is Glucagon-like Peptide I which could potentially be used as a revolutionary drug for diabetes. This is because it stimulates insulin only when the blood glucose level is high thereby reducing the risk of hypoglycemia (a significant disadvantage of using insulin is that an insulin overdose is the single most potent cause of life-threatening hypoglycemia). However its short duration of action (half-life of 2 minutes in plasma) precludes its therapeutic use. In this volume, the use of novel therapeutics like GLP1 as an alternative to tradition insulin-based drugs in diabetes is described. Application of Peptide-Based Prodrug Chemistry in Drug Development elucidates the traditional concept of prodrugs as specialized non-toxic protective groups used in a transient manner to alter or to eliminate certain limiting properties in the parent small molecule (IUPAC definition). It goes on to provide insight into how prodrugs of peptides (with GLP1 as an example) could be appropriately used to extend the biological half life, broaden the therapeutic index of macromolecules and improve the pharmacodynamics of such drugs. Author explains the logic behind designing peptide prodrugs, synthetic procedures and bioassays to examine the conversion of the prodrug to the drug under therapeutic conditions. The prodrugs described slowly convert to the parent drug at physiological conditions of 37C and pH 7. 2 driven by their inherent chemical instability without the need of any enzymatic cleavage. The diketopiperazine and diketomorpholine (DKP and DMP) strategies for prodrug conversion are demonstrated in detail with special emphasis on the chemical flexibility that it offers to develop prodrugs with variable time actions. This book...



[Read Application of Peptide-Based Prodrug Chemistry in Drug Development Online](#)



[Download PDF Application of Peptide-Based Prodrug Chemistry in Drug](#)

[Development](#)



[Download ePUB Application of Peptide-Based Prodrug Chemistry in Drug](#)

[Development](#)

## Other PDFs

---

**[PDF] Phonics Fun Stick Kids Workbook, Grade 1 Stick Kids Workbooks**

Follow the web link beneath to read "Phonics Fun Stick Kids Workbook, Grade 1 Stick Kids Workbooks" document.

[Download eBook »](#)

---

**[PDF] Kindergarten Reading Stick Kids Workbook Stick Kids Workbooks**

Follow the web link beneath to read "Kindergarten Reading Stick Kids Workbook Stick Kids Workbooks" document.

[Download eBook »](#)

---

**[PDF] DK Readers Day at Greenhill Farm Level 1 Beginning to Read**

Follow the web link beneath to read "DK Readers Day at Greenhill Farm Level 1 Beginning to Read" document.

[Download eBook »](#)

---

**[PDF] DK Readers Disasters at Sea Level 3 Reading Alone**

Follow the web link beneath to read "DK Readers Disasters at Sea Level 3 Reading Alone" document.

[Download eBook »](#)

---

**[PDF] Readers Bermuda Triangle**

Follow the web link beneath to read "Readers Bermuda Triangle" document.

[Download eBook »](#)

---

**[PDF] DK Readers Beastly Tales Level 3 Reading Alone**

Follow the web link beneath to read "DK Readers Beastly Tales Level 3 Reading Alone" document.

[Download eBook »](#)



**[PDF] Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)**

Access the link under to get "Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)" PDF file.

[Download ePub »](#)



**[PDF] Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One**

Access the link under to get "Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One" PDF file.

[Download ePub »](#)



**[PDF] By the Fire Volume 1**

Access the link under to get "By the Fire Volume 1" PDF file.

[Download ePub »](#)



**[PDF] Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire**

Access the link under to get "Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire" PDF file.

[Download ePub »](#)



**[PDF] DK Readers Duckling Days**

Access the link under to get "DK Readers Duckling Days" PDF file.

[Download ePub »](#)



**[PDF] Shepherds Hey, Bfms 16: Study Score**

Access the link under to get "Shepherds Hey, Bfms 16: Study Score" PDF file.

[Download ePub »](#)