

# VU Research Portal

## Advances in drug-protein adduct analysis Using LC-MS based proteomics

Switzar, L.

2013

### **document version**

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

### **citation for published version (APA)**

Switzar, L. (2013). *Advances in drug-protein adduct analysis Using LC-MS based proteomics*.

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

### **Take down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

### **E-mail address:**

[vuresearchportal.ub@vu.nl](mailto:vuresearchportal.ub@vu.nl)

# TABLE OF CONTENTS

<b>Chapter 1</b>	9
General introduction	
<b>Chapter 2</b>	25
Protein digestion: An overview of the available techniques and recent developments	
<b>Chapter 3</b>	47
Protein digestion optimization for characterization of drug–protein adducts using response surface modeling	
<b>Chapter 4</b>	67
A high-throughput sample preparation method for cellular proteomics using 96-well filter plates	
<b>Chapter 5</b>	81
Identification and quantification of drug–albumin adducts in serum samples from a drug exposure study in mice	
<b>Chapter 6</b>	103
Summary, conclusions and perspectives	
<b>Appendices</b>	
Nederlandse samenvatting	121
List of abbreviations	127
List of publications	129
Curriculum Vitae	131
Dankwoord	133