CONTENTS

Contents	page	
LIST OF FIGURES.	1	
LIST OF ABBREVEATIONS.	H	
LIST OF TABLES	Ш	
INTRODUCTION		
Depression	1	
*Epidemiology and clinical course of depression	2	
*Acute, continuation and maintenance treatment of	2	
depression.		
*antidepressant drug	6	
Amitriptyline	11	
*chemical structure.	11	
*Pharmacokinetic properties.	11	
*Pharmacodynamics properties.	12	
* Uses.	15	
*Drug interaction.	16	
Tianeptine	20	
*Chemical structure.	20	
*Pharmacokinetic properties.	20	
*Pharmacodynamics properties.	22	
*Drug interactions.	26	
*Clinical adverse events.	27	
*Dosage and administrations.	29	
AIM OF THE WORK	31	
MATERIAL AND METHODS	32	

*In vitro experiments.	32
*In vivo experiments.	38
*Statistical analysis.	42
RESULTS	43
*In vitro experiments.	43
*In vivo experiments.	67
DISCUSSION	82
SUMMARY AND CONCLUSION	91
REFERENCES.	94
ARABIC SUMMARY.	114