

Table of Contents

	Chapter One : Introduction	1
1.1	Proton pump inhibitors	2
1.1.1	General information of proton pump inhibitors	2
1.2	Esomeprazole	11
1.2.1	Pharmacology of esomeprazole	11
1.2.2	Pharmacokinetics of esomeprazole	13
1.2.3	Chemical and physical properties of esomeprazole	14
1.2.4	Dosage regimen of esomeprazole	16
1.2.5	Drug interactions of esomeprazole	16
1.2.6	Side effects of esomeprazole	17
1.3	Phosphodiesterase 5 inhibitors	18
1.3.1	General information	18
1.4	Tadalafil	22
1.4.1	Pharmacology of tadalafil	22
1.4.2	Chemical and physical properties of tadalafil	23
1.4.3	Dosage regimen of tadalafil	25
1.4.4	Drug interactions of tadalafil	26
1.4.5	Side effects of tadalafil	27
1.5	Validation method by chromatographic technique	28
1.5.1	HPLC principle	28
1.5.2	Validation of HPLC instrumentation	29
1.6	Definition of parameters used in the validation of the analytical HPLC method	29