

DOCTOR DISSERTATION

Dissertation: “Study to prepare pantoprazole lyophilized injectable powder”

Specialized in: Pharmaceutics

Code number: 62.72.04.02

Name of candidate: Chung Pham Xuan

Names of academic advisors:

1. Ass. Prof., Dr. Long Nguyen Van

2. Ass. Prof., Dr. Hoa Nguyen Dang

Name of academic institution: Hanoi University of Pharmacy

Summary of new finding of the dissertation:

1. This is the first time in Vietnam, pantoprazole lyophilized injectable powder is fully studied from laboratory level to industrial level.

2. Scaled up and implemented production of pantoprazole lyophilized injectable powder from laboratory scale (maximum 200 vials/batch) to 4100 vials/batch and implement production of pantoprazole lyophilized injectable powder at certified standard GMP – WHO factory of Central Pharmaceutical Joint Stock Company No.1. The products were supplied for a number of health facilities with price equals 1/3 compared with imported genetic drug but has equivalent stability, contributes to support campaign “Vietnamese people use Vietnamese medicine” which is initiated by the Government for medical branch.

3. Possibility to apply preparation study method of pantoprazole lyophilized injectable powder to prepare other pharmaceutical substances in the same Proton Pump Inhibitor group such as omeprazol, esomeprazol, and rabeprazol...

The scientific advisors

Doctoral Candidate

Ass.Prof. Dr.Long Nguyen Van Ass.Prof. Dr. Hoa Nguyen Dang

Chung Pham Xuan