Acknowledgements

First of all, I am grateful to the Supreme Personality of Godhead Lord Sri Krishna for providing me the human form of life through His Causeless Mercy.

I would like to thank my research supervisor Dr. Gautam Panda, scientist, Medicinal and Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow for giving me the opportunity to do Ph. D. in his group and for his tolerance and support throughout the tenure.

I would like to thank Dr. A. K. Saxena, HOD, Medicinal and Process Chemistry Division, and Dr. T. K. Chakraborty, Director, CSIR-Central Drug Research Institute, for providing the necessary research facilities.

I wish to express my thanks to all the scientists in the Medicinal and Process Chemistry Division for their generous help whenever needed.

I would like to express my thanks to the members of SAIF and glass blowing section for their technical assistance.

I am thankful to Dr. U. Bandyopadhyay, Scientist, Indian Institute of Chemical Biology, Kolkata for providing the results of biological screening.
I wish to extend my warm thanks to my past labmates Drs. Sajal Kumar Das, Ajay Kumar Srivastava, Maloy Kumar Parai, and present colleagues Krishna, Ritesh, Sanjit, Priyanka, Saurav, Amit, Sudipta and Sankalan for their cooperation. It gives me a lot of pleasure to thank Mr. A. P. Dwivedi and Mrs. Radha Rani Gupta for providing their possible technical assistance.


With gratitude and reverence, I acknowledge the love, affection, confidence and moral support bestowed on me by my
parents, elder brother and his family, and all other relatives and well wishers who constantly remind me of their virtual presence whenever I am in trouble.

Finally, CSIR, New Delhi is thanked for financial support in the form of Junior and Senior Research Fellowships.

November, 2011
CSIR-Central Drug Research Institute
Lucknow 226001, India.

(Subal Kumar Dinda)