

A GREEN PROCESS FOR DEMETHYLATION REACTION IN SYNTHESIS OF RALOXIFENE HYDROCHLORIDE

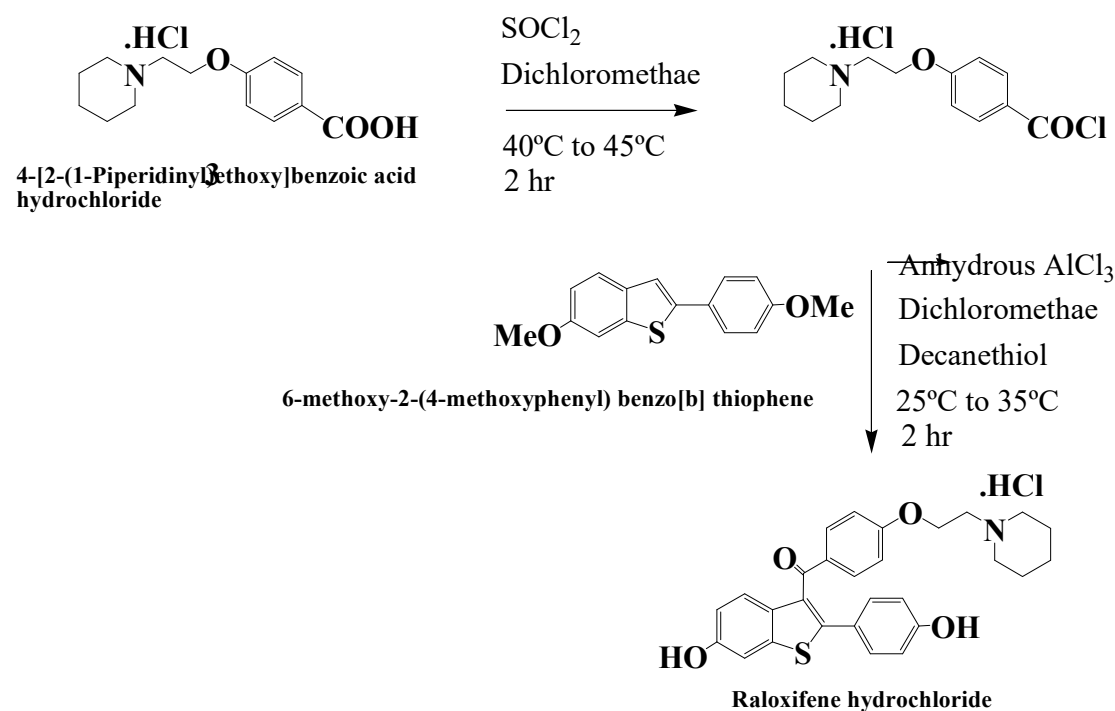
Ramadas Chavakula*, Chakradhar Saladi J S, Narayana Rao Mutyala^a, Vijaya Raju Maddala^a and Raghu Babu K^b

Research and Development, Aurobindo Pharma Limited, Survey No: 71 & 72, Indrakaran Village, Sangareddy Mandal, Medak Dist-502329, Telangna State, India.

^aTyche Industries Limited, H. No. C-21/A, Film Nagar, Jubilee Hills, Hyderabad-500 093, India.

^bDepartment of Engg Chemistry, Andhra University, Visakhapatnam, India

*Corresponding author, E-mail: ramadas.chavakula@gmail.com,



Abstract: A green process for demethylation reaction in synthesis of raloxifene hydrochloride by using aluminium chloride and odorless decanethiol as demethylation agent instead of aluminium chloride and ethanethiol (foul smell) under normal conditions is described.

Keywords: Estrogen agonist/antagonist, Raloxifene, Odorless thiol, Demethylation reaction, Aluminium chloride, Decanethiol.