

## ABSTRACT

The alkylation of chloromethyl phenyl sulfoxide anion with alkyl halides gave the corresponding 1-chloro alkyl phenyl sulfoxides in high yield. Pyrolysis of these compounds in the presence of hydroquinone gave vinyl chlorides with one-carbon homologation in good yields.

The epoxy sulfoxides of aldehydes and ketone could be synthesized in high yield by the reaction of  $\alpha$ -chloromethyl phenyl sulfoxide with the carbonyl compounds in the presence of base. Various of epoxy sulfoxide were prepared in order to study their rearrangement. The rearrangement of these epoxy sulfoxides gave the corresponding  $\alpha,\beta$ -unsaturated aldehydes with one-carbon homologation in good yield.

# BIOGRAPHY

Name : PRACHAR THAMNUSAN

Date of Birth: April 25, 1952

Place of Birth: Bangkok, THAILAND

Institution Attended:

Panabhan, Bangkok

March, 1969, ... Certificate of M.S.III

Samachomrongriengraj, Bangkok

March, 1971, ... Certificate of M.S.V

Chulalongkorn University, Bangkok

March, 1974, ... Diploma of Analytical Chemistry  
Training

Mahidol University, Bangkok

Department of Chemistry, Faculty of Science

March, 1976, ... Bachelor of Science (B.Sc.)