

Thesis Title The Reaction of Chalcone Epoxide Towards Base.

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Degree Master of Science (Organic Chemistry)

Thesis Supervisory Committee

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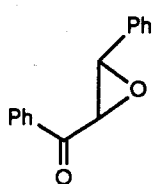
Sunanta Vibuljan, Ph.D.

Shuleewan Rajviroongit, Ph.D.

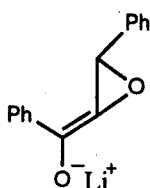
Date of Graduation 23 November B.E. 2537 (1994)

ABSTRACT

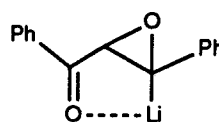
The reaction of chalcone epoxide **123** with lithium tetramethylpiperidide (LTMP) provided both α - and β -anions (**150** and **158**, respectively). Existence of the α -anion **150** was confirmed by trapping with aromatic aldehydes to obtain compounds **162-165** while, the β -anion **158** was proved by formation of dimers **155** and **156**.



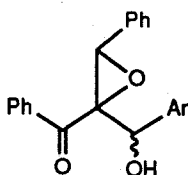
123



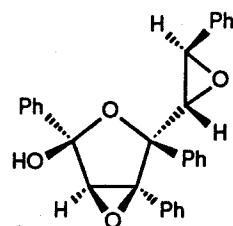
150



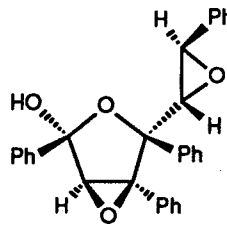
158



- 162** Ar = Ph-
163 Ar = 4-MeC₆H₄-
164 Ar = 4-ClC₆H₄-
165 Ar = 4-BrC₆H₄-



155



156