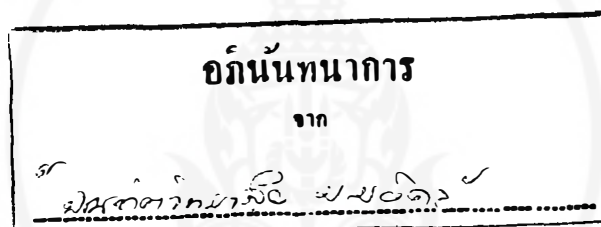




1993

**CHEMISTRY OF
SOME α -STANNYL ORGANOSULFUR COMPOUNDS**

SUJITRA KHOSAVANNA



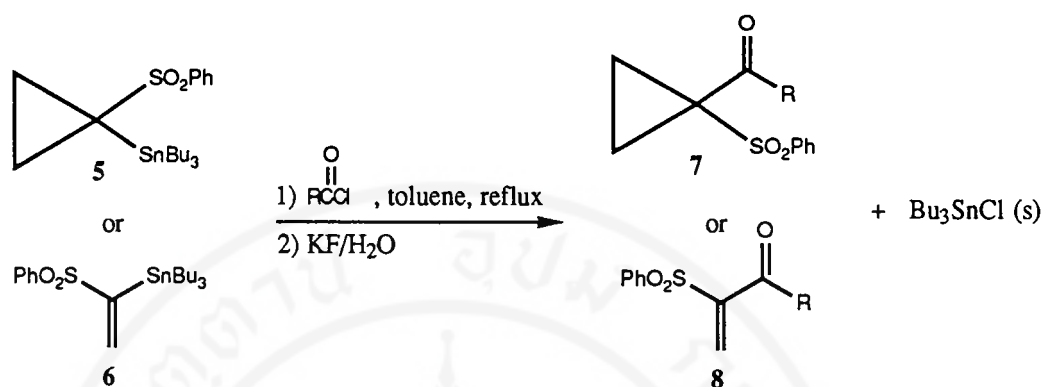
A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
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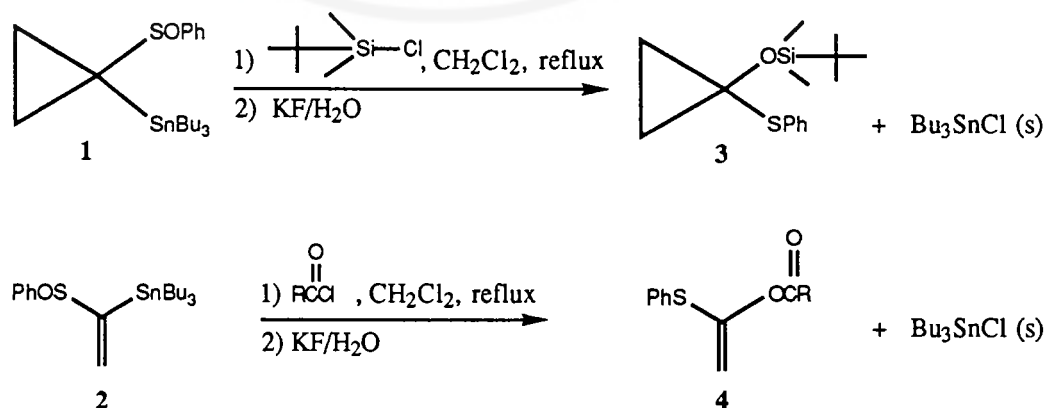


แผนภูมิที่ 2

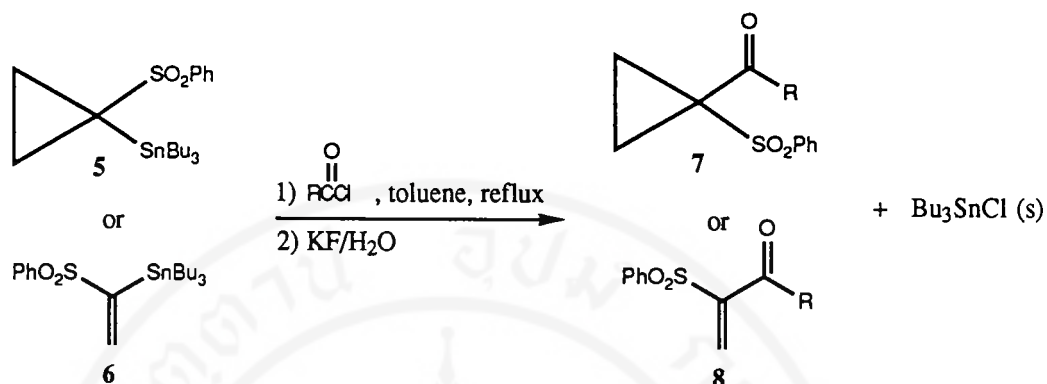
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ABSTRACT

α -Stannyl sulfoxides, 1-(tributylstannyl)-1-(phenylsulfinyl)cyclopropane (**1**) could undergo the destannylative Pummerer-type rearrangement (the stanna-Pummerer rearrangement) when reacted with *tert*-butyldimethylchlorosilane in refluxing dichloromethane leading to give α -siloxy cyclopropyl sulfide **3**. Similarly, 1-(tributylstannyl)-1-(phenylsulfinyl)ethene (**2**) could undergo the same rearrangement on treatment with acyl chlorides in refluxing dichloromethane to afford ketene-O,S-acetals **4** (Scheme I). Whereas, the α -stannyl sulfones, 1-(tributylstannyl)-1-(phenylsulfonyl)cyclopropane (**5**) and 1-(tributylstannyl)-1-(phenylsulfonyl)ethene (**6**) reacted with acyl chlorides in refluxing toluene to provide the corresponding ketosulfones **7** and **8** (Scheme II).



Scheme I



Scheme II