## SYNTHESIS AND PROPERTIES OF BRIDGED THIONIN

Renji Okazaki, Toshio Hasegawa, Yoko shishido, and Naoki Inamoto Department of Chemistry, Faculty of Science, The University of Tokyo, Hongo, Tokyo 113, Japan

Bridged thionin (2,7-methanothia[9]annulene) ( $\underline{1}$ ) was synthesized by the following scheme starting from cyclopropabenzene.

It was revealed by NMR and UV spectroscopy that the thionin  $\underline{1}$  was in equilibrium with propellane (2) which exists as a major component.

Synthesis and properties of related sulfur containing heterocycles  $\underline{3}$  and  $\underline{4}$  will also be described.