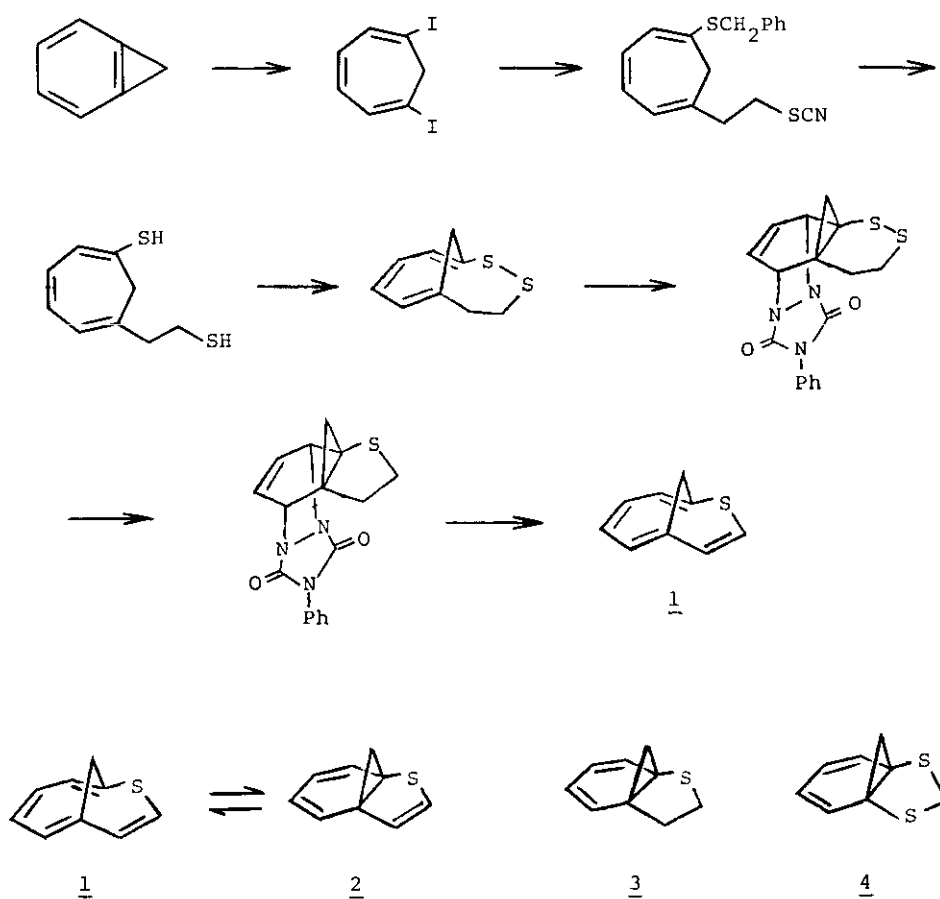


SYNTHESIS AND PROPERTIES OF BRIDGED THIONIN

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



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

Synthesis and properties of related sulfur containing heterocycles 3 and 4 will also be described.