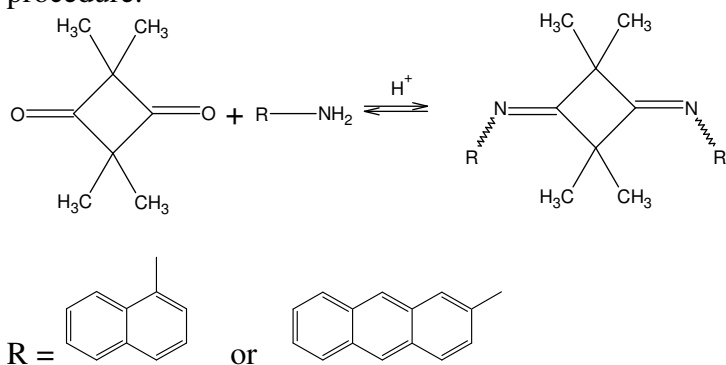


PREPARATION AND SPECTRAL PROPERTIES OF 1,3-BISAROMATIC-IMINO-2,2,4,4-TETRAMETHYLCYCLOBUTANES. *R. M. Rohring (C. Maggiulli Fellow and Dan Pasto Co-op Research Fellow), A. Chong and J.J. Worman*, Department of Chemistry, rmr6319@rit.edu, jjwsch@rit.edu*

The α -bisnaphthyl and β -bisanthryl derivatives were prepared using a standard synthetic procedure.



Compounds were purified by removal of the starting diketone through sublimation followed by standard recrystallization. Spectral properties and elemental analysis were consistent for the structures shown. Fluorescence spectra show the $n \rightarrow \pi^*$ emissions occur in the visible region, with the more conjugated β -bisanthryl emitting at lower energy. Derivatives of these compounds offer significant potential for application as OLEDs.