

**Regiochemistry of the cycloaddition of nitrilium N-phenylimides to dibenzalacetone. A reinvestigation.** Albar, Hassan A.; Abdallah, Magda A.; Mosselhi, Mosselhi A. N.; Shawali, Ahmad S. Dep. of Chem., King Abdulaziz Univ., Jeddah, Saudi Arabia. *Heteroatom Chemistry* (1996), 7(4), 225-228. CODEN: HETCE8 ISSN: 1042-7163. Journal written in English. CAN 125:221687 AN 1996:449052 CAPLUS (Copyright 2004 ACS on SciFinder (R))

### **Abstract**

Reaction of benzonitrilium N-phenylimide (3) with dibenzalacetone (1) yielded a mixt. of the mono- and bicycloadducts in a 1:1 ratio. A similar reaction of 1 with ethoxycarbonylnitrilium N-phenylimide afforded a mixt. of cycloadducts. The structures of these products were established by spectral analyses and chem. transformations. The results invalidate the previously reported structure assigned for the bicycloadduct isolated from the reaction of 3 with 1.