

**The regioselectivity of the 1,3-dipolar cycloaddition of  $\alpha$ -carbonylformonitrile N-arylimides to benzylideneacetone and  $\beta$ -diketones.** Albar, Hassan A.. Dep. of Chemistry, King Abdulaziz Univ., Jeddah, Saudi Arabia. Journal of Chemical Research, Synopses (1996), (7), 316-317. CODEN: JRPSDC ISSN: 0308-2342. Journal written in English. CAN 125:275047 AN 1996:514238 CAPLUS (Copyright 2004 ACS on SciFinder (R))

### Abstract

The cycloaddn. of the ethoxycarbonylformonitrile N-arylimides [i.e., [(phenyl)hydrazono]chloroacetic acid Et esters] I (R = H, bromo, methyl) to benzylideneacetone gave two regioisomers, 5-acetyl- and 4-acetyl-dihydropyrazoles. However, the cycloaddn. of I to benzoylacetone gave 4-acetyl- and 4-benzoyl-pyrazole. Some pyrazolopyridazin-7-one and pyrazolopyridazine derivs. were also synthesized.

