

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1987 vol.36 N12,
pages 2616-2618

Reaction of substituted 5-methyl 1,2,3-diazaphospholes and 1,2,3-diazaarsoles with diphenyldiazomethane and nitrones

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Abstract

1. Reaction of 2-acetyl-5-methyl-1,2,3-diazaphosphole and 5-methyl-2-phenyl-1,2,3-diazaarsole with diphenyldiazomethane leads to formation of phosphirane- and arsirane-containing bicyclic compounds. 2. In reaction with nitrones 5-methyl-2-phenyl-1,2,3-diazaarsole, as well as 2,5-diphenyl-1,2,3-diazaarsole, forms analogous [2+3]-cycloadducts. © 1988 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00957247>
