

ring closure reactions

O 0130

52 - 065

Formation of Heterocyclic Framework Structures at Cyclization of 1,2,4- Trimethyl-4-isopropenylcyclohexene. — Acid-induced reaction of the title cyclohexene (I) with MeCN provides compounds with azabicyclononene (cf. (III)), bicycloheptane (cf. (IV), (V)) or 6-oxabicyclooctane structure (cf. (VI)) depending on the reaction conditions. Plausible mechanistic pathways are proposed. — (ANDREEV, V. A.; NIGMATOVA, V. B.; ANFIL-OGOVA, S. N.; BOBYLEVA, A. A.; PEKHK, T. I.; BELIKOVA, N. A.; Khim. Geterotsikl. Soedin. (1996) 6, 754-759; Moskovskii gos. univ. im. Lomonosova, Moskva 119899, Russia; RU)

