

halogenation, dehalogenation

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Iodination and Chlorination of Methyl-Substituted cis-Bicyclo(4.3.0)nona-3,7-dienes.

— The course in halogenation reactions of the title dienes remarkably depends on the position of the methyl substituent. Hydrocarbons lacking a substituent at the 3-position (cf. (III)) react with preservation of their bicyclic structure whereas in the case of 3- methyl-substituted dienes (cf. (I), (V)) transannular cyclizations furnishing hard accessible brexane derivatives can be observed. It is worth mentioning that the chlorination reactions are found to proceed much less selective compared to the corresponding iodinations. — (ANDREEV, V. A.; BAKHTIN, I. V.; LUKOVSKAYA, E. V.; PEKHK, T. I.; BOBYLEVA, A. A.; ANFILOGOVA, S. N.; BELIKOVA, N. A.; *Neftekhimiya* 33 (1993) 2, 156-163; Moskovskii gos. univ. im. Lomonosova, Moskva, Russia; RU)

