

Radical reactions

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Regioselective Radical Cyclization Initiated by the Reaction of Allylic Hydroperoxides with Iron(II) Sulfate. — Treatment of allylic hydroperoxides with FeSO_4 or $\text{FeSO}_4/\text{CuCl}_2$ allows effective formation of cyclohexanones, cycloheptanones, or cyclooctanones via reductive cleavage of the O—O bond followed by successive C—C bond scission and regioselective cyclization. Ring substituents of 1-isopropenylcyclohexyl hydroperoxides play an important role on the efficiency of 8-endo-trig cyclization. — (MASUYAMA*, A.; SUGAWARA, T.; NOJIMA, M.; MCCULLOUGH, K. J.; Tetrahedron 59 (2003) 3, 353-366; Dep. Mater. Chem., Fac. Eng., Osaka Univ., Suita, Osaka 565, Japan; Eng.) — Jannicke



