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The study of oxidative cleavage halogenphenoxycyclopropanes under the influence of nitrous acid

© Rimma A. Gazzaeva,** Larisa B. Koblova, and Laura V. Tigieva

Organic Chemistry Divizion. Chemical-Technological Faculty. North Osetian State University. NOSU. Vatutina St., 40. Vladikavkaz, 362025. Republic North Osetia-Alania. Russia. Phone: +7 (928) 067-98-53. E-mail: gazzaevar@mail.ru

*Supervising author; ⁺Corresponding author

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Abstract

We have synthesized 2,2-dichlorocyclopropylphenolic and 2,2-dibromocyclopropylphenolic ethers. Treatment of obtained compounds with nitrous acid formed in situ, led to preferential oxidative cleavage of a small cycle. As the result of the reaction 1-phenoxy-1-trifluoromethoxycarbonyl-3,3-dihalogen-3-nitroso-propanes were obtained and characterized.