

^{13}C NMR Spectra of organic peroxides

Aganov A., Antonovskii V.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

A study has been made of the ^{13}C NMR spectra of hydroperoxides, peroxides, peroxy esters, and diacyl peroxides. The signal of the carbon atoms of a hydrocarbon radical present in the α -position relative to the peroxide group is shifted downfield in comparison with the nonperoxide analog. The replacement of -O- by an -OO-group at a carbonyl carbon produces an upfield shift of the signal from this atom. © 1982 Plenum Publishing Corporation.

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