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Turkish Journal	Studies on the Mechanism of Base-Catalyzed Decomposition of Bicyclic Endoperoxides
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	Abstract: Kinetic studies were performed to clarify the Kornblum-Delamare reaction mechanism of
	bicyclic endoperoxides. Ascaridol and 1,4-diphenyl-2,3-dioxa-bicyclo[2.2.2]oct-5-ene, not having α -
	protons, did not provide any reaction with bases. Reaction with different bases has revealed that reaction
0	rates for the base-catalyzed decomposition of 2,3-dioxa-bicyclo[2.2.2]oct-5-ene depend strongly on the
@	base strength. The stronger the base used, the faster the conversion rate. Reaction rate values k of
	endoperoxides with different skeletons were also studied with NEt ₃ . It has been noted that the strength
chem@tubitak.gov.tr	of the base plays the dominant role in determining the rate of the reactions.
<u>chemetabliak.gov.ir</u>	of the base plays the dominant fole in determining the fate of the reactions.
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