

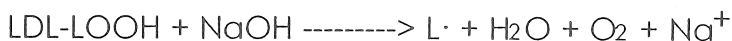
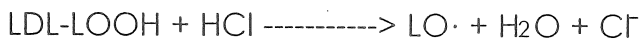
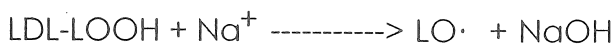
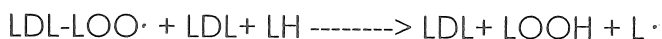
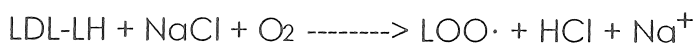
Mechanism of the antioxidant effect of Na ion on the LDL oxidation

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Summary

This paper reveals for the first time that the studies of the antioxidant effect of lipid peroxidation with NaCl. The purpose of this studies was to antioxidant effect of the Na ion in in vitro Low density lipoprotein (LDL) oxidation was screened, using 2,2'-azobis(2-amidinopropane)dihydrochloride (AAPH), 2,2'-azobis(2,4-dimethylvaleronitrile (AAVN) and autoxidation catalysis. The antioxidant activity was measured by the lag time preceding the onset of conjugated diene (234 nm) formation. The antioxidant effect of Na ion were confirmed to exists in the evolution of radical reagents. On the other hand, the antioxidant effect of Na ion was no confirmed. The mechanism of antioxidant action were as follows:



The results suggested that the antioxidant activity of Na ion was confirmed in exposure of LDL in vitro to the evolution of radical reagents. The study thus offers important finding for biochemistry or sciences.