

The protective effects of selenite against cisplatin-induced inhibition of platelet activation

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The protective effects of sodium selenite against cisplatin-induced inhibition of pig blood platelets activation have been studied *in vitro*. Cisplatin (cis-diamminedichloroplatinum II, CDDP) inhibited ADP-induced platelet aggregation and decreased the G-actin content in pig platelets. The pretreatment of pig platelets with selenite (10 min) protected against inhibitory action of cisplatin on platelet aggregation and against GS-Pt complex formation in platelets. Treatment of platelets with selenite alone at a non-toxic dose (1 μ M) had no effect on platelet aggregation.