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In Vitro Effect of Inhibin on Cyclic AMP-Phosphodiesterase Activity in Rat Testes

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We have previously reported that incubation of testicular slices with inhibin in the presence of 6 x 10^{-8} M oFSH resulted in a dose-related reduction in accumulation of cyclic AMP due to a decrease in adenyl cyclase activity. The present study demonstrates that inhibin enhances the cyclic AMP-phosphodiesterase activity in rat testicular tissue. These results suggest an additional mechanism by which cyclic AMP levels in gonadal tissue could be regulated by inhibin.

Key words: inhibin, cyclic AMP-phosphodiesterase

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