분류번호	II-P-54

제 목	Effects of Ginseng Saponins on Morphine	
6-Dehydrogenase		
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대용 The possible mechanisms of ginseng saponins on the inhibition of development of morphine tolerance and physical dependence were investigated in the morphine by metabolism morphine of aspects morphine Administration of 6-dehydrogenase. sulfhydryl non-protein of a reduction causes morphinone because liver. contents in morphine by morphine metabolized from with sulfhydryl conjugates 6-dehydrogenase However, ginseng saponins inhibited compounds. the activity of morphine 6-dehydrogenase which of morphinone production the catalized In addition, ginseng saponins inhibited morphine. the reduction of non-protein sulfhydryl levels by increasing the level of hepatic glutathione. results suggest that the dual action of the above important role in the inhibition of plays an development of morphine tolerance and physical On the other hand, it was observed dependence. that less polar components of ginseng saponins with parent structures were more active components in vitro.