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Relationship among Permeation of Ethanol, Leaching of Hemoglobin from Capillary Blood, and Permeation of Morphine Hydrochloride in Hairless Rat Skin

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**Relationship between permeation of ethanol and leaching of hemoglobin from capillary blood was examined in hairless rats. Since a slow and continuous permeation of ethanol for 8 h didn't damage the skin, the maximum flux of ethanol is more important parameter for the effect of ethanol on the skin irritation than the cumulative amount of ethanol permeated.**