

<速報>

Dodecyl dimethyl (2-phenoxyethyl) ammonium bromide (Domiphen bromide) の家兎皮膚に対する刺激作用

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Dermal toxicity of Dodecyl dimethyl (2-phenoxyethyl) ammonium bromide [Domiphen bromide].

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Effects of domiphen bromide on dermal toxicity in rabbits were studied. Fur on the dorsal area of rabbits was shaved off and 0.1 ml of 0.1%, 0.5%, 1.0%, 5.0% and 10% solution of domiphen and water for the controls were applied to the skin daily for 30 days. With application of a high dose for 7 days (5.0% and 10%), crusta was formed. In case of the administration of a lower dose (0.5% and 1.0%), growth of fur was faster in comparison with that in controls. Histopathologically, marked increase in the number of radix pili and hair follicles was observed when 0.5% and 1.0% solution of domiphen were applied to the dorsal area for 30 days.