

兽医—研究报告

油樟叶挥发油的皮肤和眼睛毒理学研究

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摘要:

目的 研究油樟叶挥发油对皮肤和眼睛的刺激性及其光毒性。方法 通过一次给药和多次给药皮肤刺激试验、一次给药和多次给药的眼睛刺激试验和皮肤光毒性试验, 观察皮肤反应和眼睛反应, 评价其皮肤刺激性、眼睛刺激性和光毒性。结果 一次和多次用药高、中剂量油樟叶挥发油对破损皮肤有可逆性刺激, 低剂量无刺激; 三个剂量对完整皮肤均无刺激。一次用药对眼睛有轻微可逆刺激, 多次用药刺激个别个体不可逆。油樟叶挥发油无光毒性。结论 中剂量以下油樟叶挥发油皮肤用药较为安全, 眼睛用药要慎重。

关键词: 光毒性

Research on Dermal Toxicity and Eye Toxicity of the Volatile Oil from the Leaf of *Cinnamomum Longepaniculatum*

Abstract:

Objective To evaluate the skin irritation, the eye irritation and the phototoxicity of the volatile oil from the leaf of *Cinnamomum Longepaniculatum*. Method Evaluate the security of the volatile oil from the leaf of *Cinnamomum Longepaniculatum* by carrying on the skin irritation, the eye irritation test and the phototoxicity test and observing the response. Result The high and the middle concentrations had slight and reversible irritation to the damaged skin, but the low concentration didn't. Those three all had no irritation to the intact skin. When the volatile oil from the leaf of *Cinnamomum Longepaniculatum* was given to the eyes once, it had slight and reversible irritation, yet it became irreversible when given several times to a few rabbits. The volatile oil from the leaf of *Cinnamomum Longepaniculatum* had no phototoxicity. Conclusion As a whole, it's safe to apply the volatile oil from the leaf of *Cinnamomum Longepaniculatum* to the skin, while the application to the eyes must be careful.

Keywords: phototoxicity

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