



中文标题

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人参皂苷Rg₁鼻腔给药的可行性研究

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中文摘要:目的: 考察人参皂苷Rg₁鼻腔给药的可行性。方法: 采用“在体蟾蜍上腭法”考察人参皂苷Rg₁对纤毛的毒性; 采用HPLC法考察人参皂苷Rg₁对大鼠鼻腔酶和pH的稳定性; 采用“大鼠在体鼻腔循环灌注法”考察人参皂苷Rg₁鼻腔黏膜吸收的特点。结果: 人参皂苷Rg₁对纤毛运动无影响; 对大鼠鼻腔酶和pH稳定; 能通过鼻腔黏膜吸收。结论: 人参皂苷Rg₁鼻腔给药在一定条件下是可行的。

中文关键词: [人参皂苷Rg₁](#) [鼻腔给药](#) [可行性](#)

Feasibility study of ginsenoside Rg₁ administrated via intranasal route

Abstract: Objective: To study the feasibility of ginsenoside Rg₁ administrated from nasal route. Method: The safety of ginsenoside Rg₁ was evaluated by testing cilia movement of the in situ toad palate model. The stability of ginsenoside Rg₁ to nasal enzymes and pH was evaluated by HPLC method. Nasal circulatory perfusion test *in vivo* had been employed to investigated absorption effect of ginsenoside Rg₁ from nasal mucosa. Result: Ginsenoside Rg₁ was safe to the cilia movement. Meanwhile, it's stable to nasal enzymes and pH. Ginsenoside Rg₁ can be absorbed from nasal route. Conclusion: It's feasible to administrated ginsenoside Rg₁ from nasal route.

keywords: [ginsenoside Rg₁](#) [nasal drug delivery](#) [feasibility](#)

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