

论文

三七总皂苷鼻腔用制剂的研究

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摘要:

目的研究能够提高三七总皂苷生物利用度的给药途径和制剂。方法采用鼻腔给药筛选提高药物生物利用度的适宜制剂。结果本试验中制备的制剂在不引起黏膜刺激性的条件下,大幅度提高了PNS的生物利用度。结论可从给药途径和剂型两方面考虑提高药物吸收,降低刺激性。

关键词: 三七总皂苷 鼻黏膜给药 生物利用度 喷雾制剂

Studies on formulations of *Panax* notoginsenosides for intranasal administration

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Abstract:

AimTo develop high bioavailability preparations without irritation for *Panax* notoginsenosides. MethodsThe effects of some additives such as microcrystalline cellulose, β -cyclodextrin and hydroxypropyl cellulose on drug in the preparations were examined. ResultsSaponins of *Panax notoginseng* (PNS) was absorbed in rabbits more when administered intranasally than through other routines, and the formulations including MCC both gave high bioavailability and low irritation. ConclusionBioavailability of *Panax* notoginsenosides can be increased through changing routine of administration and formulations.

Keywords: intranasal administration bioavailability spray formulations *Panax* notoginsenosides

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