



中文标题 检索 跨刊检索

冰片对麝香酮在大鼠小肠吸收的影响

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作者中文名	作者英文名	单位中文名	单位英文名	E-Mail
邹亮	ZOU Liang	成都大学 生物产业学院, 四川 成都 610106	College of Biological Industry, Chengdu University, Chengdu 610106, China	
林俊芝	LIN Jun-zhi	成都中医药大学 药学院, 四川 成都 610075	College of Pharmacy, Chengdu University of Traditional Chinese Medicine, Chengdu 610075, China	
胡慧玲	HU Hui-ling	成都中医药大学 药学院, 四川 成都 610075	College of Pharmacy, Chengdu University of Traditional Chinese Medicine, Chengdu 610075, China	
汪莹	WANG Ying	成都大学 生物产业学院, 四川 成都 610106	College of Biological Industry, Chengdu University, Chengdu 610106, China	
王平	WANG Ping	成都中医药大学 药学院, 四川 成都 610075	College of Pharmacy, Chengdu University of Traditional Chinese Medicine, Chengdu 610075, China	
赵钢	ZHAO Gang	成都大学 生物产业学院, 四川 成都 610106	College of Biological Industry, Chengdu University, Chengdu 610106, China	
王战	WANG Zhan-guo	四川大学 生命科学学院, 四川 成都 610065	College of Life Sciences, Sichuan University, Chengdu 610065, China	wangzhanguo@scu.edu.cn

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中文摘要:目的:探讨冰片对麝香酮在大鼠小肠吸收的影响。方法:采用大鼠原位肠循环灌注法研究麝香酮配伍冰片前后小肠吸收动力学的变化。结果:与单独给予麝香酮组(MG组)相比,单次配伍冰片组(BMG组)后,麝香酮的吸收速率常数(K_a)、吸收半衰期($T_{1/2}$)和单位时间吸收百分率(A)有增加趋势,无显著性差异;长期给予冰片后给予麝香酮组(LBMG组), K_a 、 $T_{1/2}$ 、A增加,有显著性差异($P < 0.05$)。十二指肠,LBMG组优于MG组($T_{1/2}$, $P < 0.05$);空肠,LBMG组优于MG组(K_a , $P < 0.05$; $T_{1/2}$, $P < 0.05$);回肠,LBMG组与MG组统计学上差异不显著(K_a)。结论:冰片能在一定程度上促进麝香酮在小肠段的吸收。

中文关键词:冰片 麝香酮 配伍 吸收动力学 原位肠灌注

Effect of borneol on intestinal absorption of muscone in rats

Abstract: Objective: To explore the influence of borneol on intestinal absorption of muscone in rats. **Method:** An *in situ* intestinal circulation perfusion experiment was used to study the changes in intestinal absorption kinetics of muscone before and after being compatible with borneol. **Result:** Compared with the muscone group (MG), the absorption rate constants (K_a), the half-life period ($T_{1/2}$) and the absorption rate (A) of muscone in the borneol+muscone group (BMG) were on the rise, but with no significant difference; after being compatible with borneol for a long period, K_a , $T_{1/2}$ and A in the last borneol on muscone group (LBMG) increased, with significant difference ($P < 0.05$). In duodenum, LBMG showed better effects than MG ($T_{1/2}$, $P < 0.05$); and so did in jejunum (K_a , $P < 0.05$; $T_{1/2}$, $P < 0.05$); in ileum, there was no significant statistical difference between LBMG and MG. **Conclusion:** Borneol can promote the intestinal absorption of muscone in rats to some extent.

keywords: borneol muscone compatibility absorption kinetics *in situ* intestinal perfusion

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