

论文

新型替加氟前体脂质体大鼠灌胃给药后的体内分布

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摘要:

关键词: 前体脂质体 片剂 替加氟 HPLC 体内分布

In vivo distribution of a novel proliposomal preparation of tegafur following intragastric gavage to rats

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Abstract:

AimTo evaluate *in vivo* distribution characteristics of a novel proliposomal preparation of tegafur in rats. MethodsConcentrations of tegafur in tissues and plasma were measured by HPLC following intragastric gavage of the proliposomal preparation of tegafur (PL-FT207) or aqueous suspension of tegafur tablet (T-FT207) to rats. And the pharmacokinetic parameters including the area under the concentration-time curve (AUC), relative tissue efficiency and the maximum drug concentration were calculated. ResultsFollowing intragastric gavage of PL-FT207 or T-FT207 to rats, AUC was significantly increased in plasma, liver, kidney, colon and lung ($P<0.01$) of PL-FT207 group in contrast to that of T-FT207 group, the relative tissue efficiencies of these tissues were 1.36-1.57, the maximum drug concentrations of brain and lung of PL-FT207 group were significantly declined ($P<0.005$). Conclusion The novel proliposomal preparation of tegafur is able to promote drug absorption in gastro-intestine, increase drug distribution in kidney, liver, colon and lung, and decrease the maximum drug concentration in brain and heart, thus providing scientific basis for further studies on this preparation.

Keywords: tablet tegafur HPLC *in vivo* distribution proliposome

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1. 王梅;高晓黎.新型前体脂质体载药及影响因素考察[J]. 药学报, 2006,41(12): 1204-1207
2. 魏农农;陆彬.结肠定位壳聚糖包衣氟尿嘧啶脂质体的制备、形态与体外释放[J]. 药学报, 2003,38(1): 53-56
3. 肖衍宇;宋赟梅;陈志鹏;平其能.水飞蓟素前体脂质体的制备和大鼠药代动力学的研究水飞蓟素前体脂质体的制备和大鼠药代动力学的研究[J]. 药学报, 2005,40(8): 758-763
4. 林 薇 姚 静 周建平.川陈皮素自组装前体脂质体的制备及其大鼠体内药代动力学研究[J]. 药学报, 2009,44(2): 192-196

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