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脱卷积法对盐酸普罗帕酮缓释微丸体内外相关性

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摘要：目的 采用脱卷积法进行盐酸普罗帕酮缓释微丸体内外相关性的研究。**方法** 以盐酸普罗帕酮普通片的犬体内血药质量浓度数据为权函数，根据自制盐酸普罗帕酮缓释微丸试验犬体内血药质量浓度数据，采用脱卷积法计算体内释药特性，与相应的体外释药特性进行比较，考察体内外相关性。**结果** 用脱卷积法计算自制盐酸普罗帕酮缓释微丸的体内外释药相关性良好。**结论** 脱卷积法适用于自制盐酸普罗帕酮缓释微丸的体内外相关性研究。

关键词：药剂学；脱卷积法；体内外相关性，盐酸普罗帕酮；缓释微丸

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Evaluation of *in vitro/in vivo* correlation for propafenone hydrochloride sustained release pellets using deconvolution method

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Abstract: **Objective** To evaluate the *in vitro/in vivo* correlation for propafenone hydrochloride sustained release pellets using deconvolution method. **Methods** The percentage of absorption was calculated by deconvolution method using data of plasma concentration from propafenone hydrochloride sustained release pellets in healthy dogs, which the *in vivo* dutu of propafenone hydrochloride tablets after oral administration to dogs was used as weight function. It was compared with data of *in vitro* release to assess the *in vitro/in vivo* correlations. **Results** The good correlations of *in vitro/in vivo* were shown for propafenone hydrochloride sustained release pellets by deconvolution method. **Conclusions** The deconvolution method exhibits advantage in evaluation of *in vitro/in vivo* correlation for propafenone hydrochloride sustained release pellets.

Key words: pharmaceutics; deconvolution method; *in vitro/vivo* correlation; propafenone hydrochloride; sustained release pellets