中国中药杂志
China Journal of Chinese Materia Medica

中文标题 ▼ 检索 药刊检索

初均速法预测金银花的有效期

投稿时间： 2012-07-20 责任编辑： 点此下载全文

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基金项目:河南省科技厅重点项目(122102310272)

中文摘要:目的: 研究不同温度下金银花的稳定性,预测其室温下(25℃)的有效期。 方法: 采用HPLC测定金银花中绿原酸的含量,以初均速法得到其活化能E_a和分解速率常数K,预测有效期。 结果: 金银花在25℃下有效期为1.29年。 结论: 用初均速法预测金银花的稳定性,以测定绿原酸含量为指标,其操作简便,结果可靠,所以金银花在储存时应避免高温,用室温保存,以保证其质量。

中文关键词:初均速法 金银花 有效期 高效液相色谱法

Stable life predection for honeysuckle by initial average rate stabil ity test

Abstract:Objective: To study the content change of chlorogenic acid in honeysuckle under different temperature, and predict its term of validity at room temperature.**Method:** The content of chlorogenic acid was assayed by HPLC. The activation energy E_a and the decomposition rate constant K were calculated by initial average rate stability tests and the prediction was carried out.**Result:** The stable life of honeysuckle has been determined as 1.29 years.**Conclusion:** The initial average rate stability test was used to predict stable life of honeysuckle, and the results are credible. Higher temperature should be avoided for honeysuckle store, and room temperature should guarantee its quality during storage.

keywords:initial average rate stability tests honeysuckle stable life HPLC

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