



国内中药化学成分库建设的现状分析与思考

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中文摘要:源于中药的天然产物是新药发现的重要源泉,中药化学成分深入认识是中药新药创制的基础和关键,因此中药化学成分库(实物库和数据库)的建设对中药现代化和创新药物研制具有重要的意义。该文对我国近年来中药化学成分库建设情况进行了概述,并对存在的问题进行了分析,认为拥有一个高储量、高品质、综合、规范、共享的中药化学成分实物库和数据库,并将其与质量控制和活性筛选评价等系统结合意义重大,还提出承担的国家“重大新药创制”科技重大专项课题“中药化学成分库”(eCL-TCMs)建设的思路,以期对国内中药化学成分库的研究与建设提供参考。

中文关键词:中药化学成分库 eCL-TCMs; 实物库 数据库

Analysis and thinking on status of constituent library of traditional Chinese medicines in China

Abstract: Natural products from traditional Chinese medicines (TCMs) are one of the important sources for drug discovery. Systematic investigation on chemical constituents of TCMs plays one key role in TCMs R & D. Research and development on the constituent library of TCMs including the constituent repository and database (eCL-TCMs) is significant for the modernization of TCMs and new drug R & D. This paper reviews the status of current compound libraries and databases in China, analyzes some key problems, and proposes the necessity and ideas of the running eCL-TCMs supported by the National New Drug Innovation Great Project of China (2011ZX09307-002-02). The eCL-TCMs are large-scale, high-quality, comprehensive, standard, open-access, and are integrated with quality control system, drug screening and discovery platforms.

keywords: constituent library of traditional Chinese medicines eCL-TCMs constituent repository database

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