

综述

非经典抗精神病药作用机制及药物发现展望

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摘要 精神疾病严重危害人类健康。近10年来, 非经典抗精神病药成为治疗精神分裂症的第二代药物。本文综述了非经典抗精神病药物可能的作用机制, 并基于其结构特点及作用机制对该类药物进行分类和新型结构设计, 为新一代高效低不良反应的非经典抗精神病药物分子的设计提供思路。

关键词 [抗精神病药](#) [精神分裂症](#) [受体, 多巴胺](#) [受体, 血清素](#)

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Action mechanism of atypical antipsychotics and vista of drug discovery

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Abstract

In the past 10 years, atypical antipsychotics were developed to be the second generation of medicine without extrapyramidal symptoms side effects to treat schizophrenia. This paper summarizes the structural feature, therapeutic effect of several representative atypical antipsychotics and their binding mechanism with target receptors at molecular levels. In addition, it also classifies atypical antipsychotics, based on their binding mechanism with target receptors. Finally a new clue for drug design and discovery of novel atypical antipsychotics with less side effects was provided.

Key words [antipsychotics](#) [schizophrenia](#) [receptors](#) [dopamine](#) [receptors](#) [serotonin](#)

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