

综述

## 多巴胺D<sub>3</sub>受体选择性配体治疗药物依赖的新进展

苟红艳<sup>1,2</sup>, 吴宁<sup>2</sup>, 苏瑞斌<sup>2</sup>, 丛斌<sup>1</sup>, 李锦<sup>2</sup>

(1. 河北医科大学基础医学院法医学教研室, 河北 石家庄 050017; 2. 军事医学科学院毒物药物研究所, 北京 100850)

收稿日期 2011-1-24 修回日期 网络版发布日期 2012-2-24 接受日期 2011-4-28

**摘要** 药物依赖是一种以复吸为特征的慢性脑病, 迄今为止尚缺乏有效的防复吸药物。随着药物依赖及复吸神经生物学机制的研究不断深入, 发现了一些潜在的干预靶点。靶向多巴胺D<sub>3</sub>受体(DAD<sub>3</sub>R)防复吸药物研究受到了广泛关注, DAD<sub>3</sub>R选择性分布在啮齿类动物及人脑内与药物依赖相关的中脑边缘多巴胺系统, 在药物依赖发生发展过程中发挥着重要作用。本文重点介绍DAD<sub>3</sub>R在药物依赖中的作用及选择性配体治疗药物依赖研究的进展。

**关键词** [药物成瘾](#) [多巴胺](#) [多巴胺D3受体](#)

分类号 [R971](#)

## Progress in selective dopamine D<sub>3</sub> receptor ligand as pharmacotherapeutics for addictions

GOU Hong-yan<sup>1,2</sup>, WU Ning<sup>2</sup>, SU Rui-bin<sup>2</sup>, CONG Bin<sup>1</sup>, LI Jin<sup>2</sup>

(1. Department of Forensic Medicine, Basic Medical College, Hebei Medical University, Shijiazhuang 050017, China; 2. Institute of Pharmacology & Toxicology, Academy of Military Medical Sciences, Beijing 100850, China)

### Abstract

Drug dependence is a chronic brain disease with a high relapse rate and no effective drugs available currently. With the development of neurobiology mechanism studies of drug dependence and relapse, a growing number of new potential targets of addictive drugs have been identified. Researchers have turned their attention to the development of new anti-relapse drugs targeting at dopamine D<sub>3</sub> receptors(DAD<sub>3</sub>R). DAD<sub>3</sub>R are preferentially localized in the mesolimbic DA system in rodent and human brains that is related to drug addiction. DAD<sub>3</sub>R play an important role in the development of drug dependence. This review summarizes the relevance of DAD<sub>3</sub>R to drug addiction and the recent advance in selective DAD<sub>3</sub>R ligand as pharmacotherapeutics for drug addiction.

**Key words** [drug addiction](#); [dopamine](#) [DAD3 receptor](#)

DOI: 10.3867/j.issn.1000-3002.2012.01.022

通讯作者 苟红艳, 李锦 [hbydcongbin@126.com](mailto:hbydcongbin@126.com), [jnli9802@yahoo.com](mailto:jnli9802@yahoo.com)

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(399KB\)](#)
- ▶ [\[HTML全文\]\(OKB\)](#)
- ▶ [参考文献](#)

#### 服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中包含“药物成瘾”的相关文章](#)
- ▶ 本文作者相关文章

- [苟红艳](#)
- [吴宁](#)
- [苏瑞斌](#)
- [丛斌](#)
- [李锦](#)