

论文

Rho激酶及其抑制剂的研究进展

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摘要:

Rho激酶是近十年来发现参与细胞运动的主要激酶之一, 对细胞的分裂、收缩、粘附、迁移、分泌等活动具有重要调节作用。Rho激酶的高表达或过度激活与许多心脑血管疾病的发生发展密切相关, Rho激酶现在已经成为新药研发的重要靶点, 而Rho激酶抑制剂的不断发现为心血管、神经系统等疾病的治疗提供了新的希望。为此, 本文就Rho激酶及其抑制剂的研究做一简要综述。

关键词: Rho激酶 抑制剂 新药筛选

Advances in the study of Rho kinase and its inhibitors

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Abstract:

Rho kinase, also named Rho associated kinase, is one of the important kinases found in recent ten years, which regulates cell movement including cytodieresis, contraction, adherence, migration, secretion, etc. The Rho kinase up-regulation in activity or in expression involves the progress of cardio-cerebro-vascular disorders, and Rho kinase has been regarded as a key target in drug discovery and development. With more and more Rho kinase inhibitors popping up, Rho kinase inhibitors are becoming a promising solution to cardiovascular diseases, neural disorders and other diseases. The article reviews the advances in the study of Rho kinase pathway and its inhibitors, other information associated with Rho kinase is also discussed.

Keywords: inhibitor drug screening Rho associated kinase

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