国际药学研究杂志 2007 34 (5): 336-340 ISSN: 1674-0440 CN: 11-5619/R

综述

青蒿素类衍生物抗炎免疫抑制活性研究进展

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收稿日期 2007-1-5 修回日期 网络版发布日期 2007-11-7 接受日期

摘要 青蒿素类衍生物具有抗炎和免疫抑制活性。临床研究结果表明，青蒿素类衍生物对各类红斑狼疮、皮炎及关节炎有效；研究表明，青蒿素类衍生物在多种疾病动物模型上具有抗炎和免疫抑制活性。为了研究和获得免疫抑制活性更高的化合物，一系列经过结构改造后合成的新型青蒿素类化合物相继被报道。但到目前为止，有关青蒿素类衍生物免疫抑制活性的作用机制尚不清楚。本文主要综述了近年来青蒿素类衍生物抗炎和免疫抑制药理作用及其作用机制的研究进展。

关键词 青蒿素； 青蒿素类衍生物； 抗炎； 免疫抑制

分类号 R392 R593 R979.5

The anti-inflammatory and immunosuppressive activity of artemisinin derivatives

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Abstract

Artemisinin and its derivatives exhibit potent anti inflammatory and immunosuppressive activity. In clinical investigations, they were used for the treatment of systemic lupus erythematosus (SLE), dermatitis and rheumatic arthritis (RA) with promising results. In laboratory studies, they showed anti inflammatory and immunosuppressive effect on various animal disease models. Recently, a series of new artemisinin derivatives have been synthesized to develop potent immunosuppressive agents. However, the underlying mechanisms mediating their anti inflammatory and immunosuppressive effects are still unknown. Here, we introduce the anti inflammatory and immunosuppressive effect of artemisinin and its derivatives, and discuss their possible mechanisms based on the recent studies in literature.

Key words artemisinin artemisinin derivatives anti-inflammation immunosuppression

DOI:

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