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大蒜新素对人巨细胞病毒即刻早期、早期和晚期基因转录水平的影响

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中文摘要:目的: 研究大蒜新素对人巨细胞病毒(HCMV)即刻早期(ie)、早期(e)和晚期(I)基因在转录水平的影响,探讨大蒜新素抗HC 

中文关键词:<u>人巨细胞病毒</u> <u>大蒜新素</u> <u>实时定量PCR</u>

## Effects of allitridin on transcription of immediate-early, early and late genes of human cytomegalovirus in vitro

Abstract/Objective: The effect of allitridin on the transcription levels of immediate-early(ie), early(e) and late(1) genes of human cytomegalovirus (HCMV) was investigated in order to explore the mechanism of allitridin against HCMV. Method: Established the models of HCMV AD169 strain infected cells and AD169 strain infected cells retard with allitridin(9.6 mg v. 1.1) and twee compared with the appropriate dosce, 2.3 mg t. 1 ° jo agancilovin(GCV). All groups of cells were infected at 2.5 multiplicity of infection(MOI), using SYBR Green real-time PCR method to detect the dynamic change of u122,ain123,u1854 and u183 mRNA expression at 0. 5.2.4,6.12.24 h post-infection. Result: The mRNA levels of u1122 and u123 in AD169 infected cells treated with allitridin at all time points were markedly lower than those of AD169 infected cells to 5.6 h post-infection. The inhibitory rates of allitridin to AD169 u122 and u123 mRNA expression of U25 and U25 and V27.8 and V27.8 and V27.8 at 24 h post-infection.esspectively. The expression of u185 mRNA in all groups rapidly increased after 6 h of infection, which is most obvious in AD169 infected cells tells group. The inhibitory rates of allitridin and CCV to AD169 u182 and mRNA were 45.9% and 27.2% at 24 h post-infection.respectively. The expression of HCMV u185 mRNA in all groups rapidly increased after 6 h of infection, which is most obvious in AD169 infected cells group. The inhibitory rates of allitridin and CCV to AD169 u183 mRNA were 45.9% and 26.2% at 24 h post-infection.respectively. Conclusion. Allitridin could effectively suppress the transcription of egene (u1123 and U123) of HCMV AD169 u183 mRNA were 45.9% and 26.2% at 24 h post-infection, respectively. Conclusion. Allitridin could effectively suppress the transcription of egene (u1124) and 1 gene (u183) too, indicating that HCMV is genes may be the key target of allitridin against HCMV.

keywords:HCMV alltridin real-time PCR

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