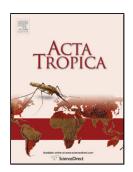
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ACCEPTED MANUSCRIPT

Apolipoprotein E4 exacerbates ethanol-induced neurotoxicity through augmentation of oxidative stress and apoptosis in N2a-APP cells Jie Li^{1,2,*}, Jian Cheng¹

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Highlights

• ApoE4 exacerbates high-concentration ethanol-induced neurotoxicity in N2a-APP cells.

• Compared with apoE3, apoE4 enhances apoptotic cell death in high-concentration ethanol-treated N2a-APP.

• ApoE4 and high-concentration ethanol synergistically increase cellular oxidative stress in N2a-APP.

• ROS scavenger NAC abolishes the detrimental effect of apoE4 on high-concentration ethanol-induced neurotoxicity.

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