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Reducing oxidative stress and hepatoprotective effect of the water extracts from Pu-erh tea on rats fed with high-fat diet

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Highlights

- ► Male Sprague–Dawley (SD) rats receive three doses Pu-erh tea water extract.
- ► Pu-erh tea water extract exhibited remarkable effects on weight and fat index losses in SD rats.
- ► Pu-erh tea water extract could decrease MDA levels while inhibiting lipid peroxidation.
- ► Pu-erh tea water extract decreased the NOS, ALT and AST activities and increased T-SOD, CAT and GSH-Px activities, significantly reducing oxidant stress state.
- ► Pu-erh tea water extract remarkable decreased Glu level and increased the hepatic glycogen production and PK activities, significantly reducing the risk of diabetes type

II

Abstract

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