

Objectives

Objectives of the present investigation are as follow:

- I. To explore the efficacy of PT on insulin resistance, metabolic syndrome and hepatic oxidative stress in high fructose (65%) diet-induced type 2 diabetic rats.
 - II. To investigate the therapeutic potency and signalling mechanism of pterostilbene against diabetes induced-cardiac oxidative stress, inflammation and mitochondrial impairment in fructose-fed diabetic rats.
 - III. To investigate the cardioprotective potential and mechanistic pathway of pterostilbene against myocardial ischemia-reperfusion injury in streptozotocin-induced diabetic rats.
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