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**Scoparone attenuates high glucose-induced extracellular matrix accumulation in
rat mesangial cells**

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Abstract

Scoparone, a major constituent of *Artemisia capillaries*, has a variety of biological properties including anticoagulant, hepatoprotective, anti-tumor, anti-fibrosis, anti-inflammatory, antioxidant, and antidiabetic activities. However, the renoprotective effect of scoparone under diabetic conditions remains elusive. Thus, the present study was undertaken to examine the role of scoparone in high glucose-induced mesangial cell proliferation and extracellular matrix (ECM) accumulation and elucidate the possible mechanism of action of scoparone. Our results demonstrated that treatment with scoparone significantly inhibited the proliferation of mesangial cells under high glucose conditions. In addition, scoparone reversed high glucose-induced

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