Supporting Information

Protective Effects of Sulphonated Formononetin in a Rat Model of Cerebral Ischemia and Reperfusion Injury

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**Fig. 1S** Effects of Sul-F on infarct volume after 24 h reperfusion. The representative picture depicts the TTC staining. Sul-F at doses ranging from 3 to 30 mg/kg administered intravenously 5 min after cerebral ischemia and reperfusion. **A1:** sham group; **A2:** vehicle-treated group; **A3:** Sul-F 3 mg/kg group; **A4:** Sul-F 7.5 mg/kg group; **A5:** Sul-F 15 mg/kg group; **A6:** Sul-F 30 mg/kg group; **A7:** nimodipine 6 mg/kg group.
Fig. 2S Effects of Sul-F on infarct volume was quantitated by detecting the number of neurons. The representative picture depicts the NeuN staining. **A1**: sham group; **A2**: vehicle-treated group; **A3**: Sul-F 15 mg/kg.
**Fig. 3S** Effects of Sul-F on migration formation of HUVEc. In the wound healing assay, after scratched wounds, cell monolayers were incubated with Sul-F for 24 h. Images of wounded monolayers of HUVEc were taken at times 0 h and 24 h after treatment with Sul-F and the horizontal lines indicate the wound edge.
**Fig. 4S** Effect of Sul-F on tube formation of HUVEc. Cells were cultured on matrigel and incubated with Sul-F for 6 h. The representative picture depicts the tube-like structures of HUVEc cells. **A1:** Sul-F 0 μg/mL; **A2:** Sul-F 10 μg/mL; **A3:** Sul-F 20 μg/mL.