**Supplementary Figure:**

**A**

MCAO Sham

Treated GSS or NS by sublingual vein injection

Reperfusion

Rats were sacrificed and samples were collected

10 min 110 min 24 h

**B**

Treated α-BTX or NS by lateral ventricular injection

MCAO Sham

Treated GSS or NS by sublingual vein injection

Reperfusion

Rats were sacrificed and samples were collected

30 min 10 min 110 min 24 h

**C**

Plant BV2 cells

Groups treatment PBS GSS LPS LPS + GSS

Harvest the cells and supernatant

24 h 24 h

**D**

Plant BV2 cells

Groups treatment PBS LPS LPS + GSS LPS + GSS + α-BTX LPS + α-BTX

Harvest the cells and supernatant

24 h 24 h

**Figure S1** Schematic diagram for experimental scheme. A and B are the scheme for in vivo experiments. C and D are the scheme for in vitro experiments.