



Figure S1. Control experiments under normoxia. A) LDH release measured in microvascular endothelial cells subjected to treatments without OGD. All drugs have no cytotoxic effect on those cells. n=5-6. B) Dextran permeability coefficient of endothelial monolayer treated by 0, 25, 50 or 100 nM of CNP without OGD. n=3. CNP did not significantly change the monolayer property measured by Dextran Permeability Assay.