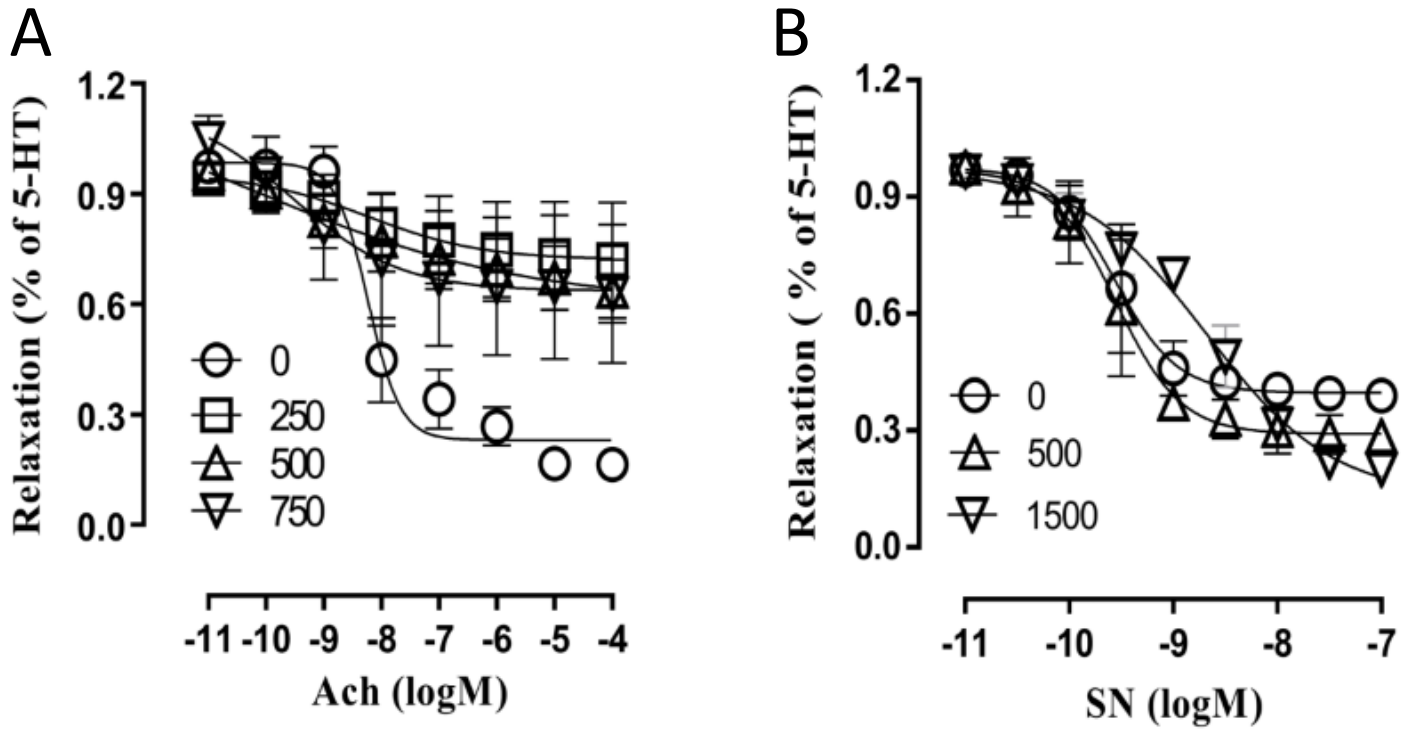
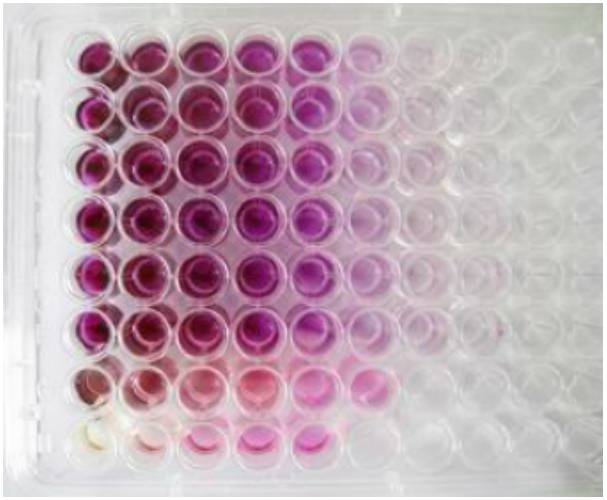
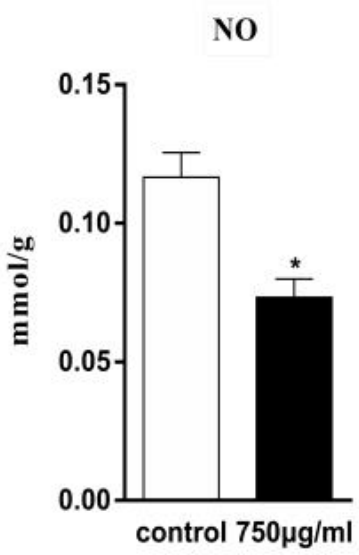


I have uesed myographs to measure isometric tension of the vessel segments.I recorded the data, and made this two graphs with Prism. (A) Acetylcholine (ACh)-induced vasodilation in 5-HT ($10^{-5.5}$ M) pre-contracted rat mesenteric arterial segments after organ culture with Sorafenib (0, 250, 500, 750 mg/L) for 12 h. All concentrations of Sorafenib significantly suppressed ACh-induced vasodilation. (B) Sodium Nitroprusside (SNP)-induced vasodilation of all concentrations of Sorafenib.

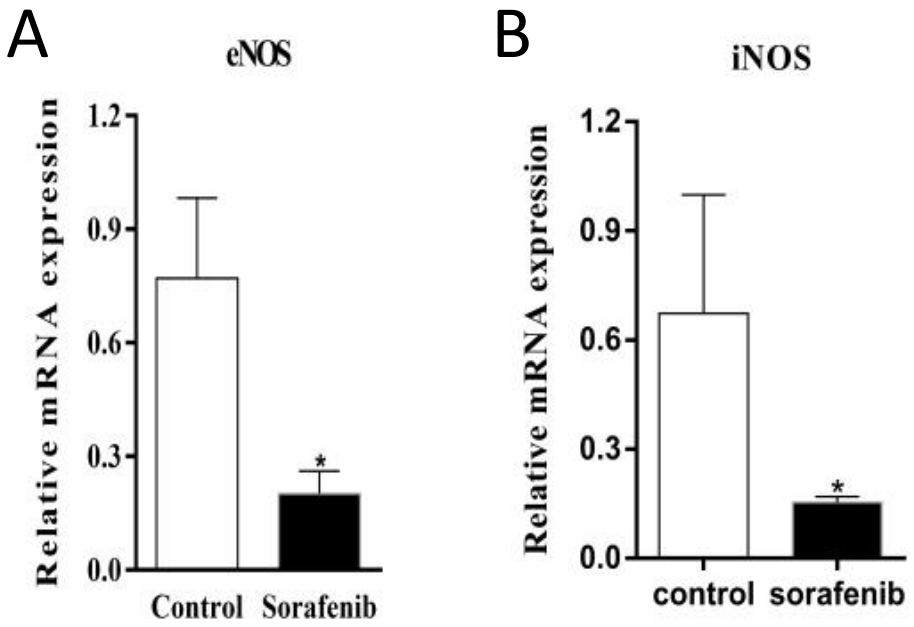
A



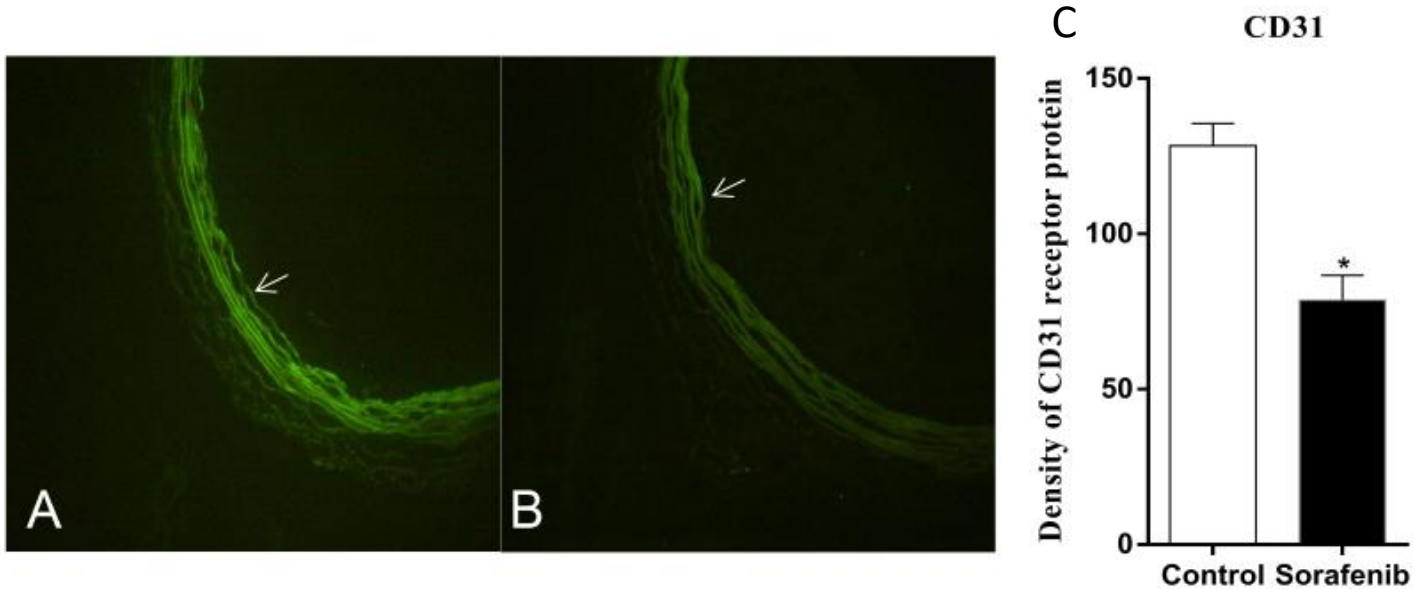
B



According to the concentration of Nitrite that was determined by spectrophotometry (560 nm) reflect the concentrantion of NO in the DMEM. (A) The 96 Microwell Plate that I used to determination.(B)The Nitrite concentration of 750 mg/L Sorafenib reduced significantly.



Real-time PCR quantification of eNOS and iNOS mRNA expression (A) Endothelial NO synthase (eNOS) mRNA.(B) Inducible NO synthase (iNOS) mRNA



This part has been finished with my partern.(A) Immunofluorescence of CD31 in the control groups. (B)Immunofluorescence of CD31 in the Sorafenib groups(C)We determined the Mean Optical Density (MOD)of CD31 to reflect quantification of CD31 protein expression levels in the endothelium.